## Appendix C Wetland Data Sheets

PROJECT TITLE	: Calais LNG	MP: N/A (Terminal Site)	Transect: B2	2	PLOT: Wetland		
EVALUATOR(S):	_WSM		DATE: July 1	11, 2008			
VEGETATION Stratum Herbs/Seedlings	Species Glyceria striata (fowl mannagrass) Gymnocarpium dryopteris (common oak fem) Arisaema triphyllum (swamp jack-in-the-pulpit) Galium asprellum (rough bedstraw) Carex leptalea (bristly stalked sedge) Trientalis borealis (starflower)		Dominance Ratio 20.5/85.5 10.5/85.5 3/85.5 10.5/85.5 38/85.5 3/85.5	Percent Dominance 24% 12% 4% 12% 44% 44%	DOM X	NWI Status OBL OBL	
Mosses	Sphagnum sp. (sphagnum moss) Hylocomium splendens (feather moss)		10.5/48.5 38/48.5	22% 78%	X X	OBL NI	
Shrubs	Alnus rugosa (speckled alder) Thuja occidentalis (northern white cedar) Abies balsamea (balsam fir)		38/59 10.5/59 10.5/59	64% 18% 18%	х	FACW+  	
Saplings	Abies balsamea (balsam fir)	!	63/63	100%	Х	FAC	
Trees	Thuja occidentalis (northern white cedar) Abies balsamea (balsam fir)		745/921 176/921	81% 19%	X	FACW 	
HYDROPHYTES			NON-HYDROP	PHYTES			
3	2 1 (	0	0	0		0	
OBL		THER	FAC-	FACU	J	UPL	
Hydrophytes Subtot	•	nt Hydrophytes (100A/A+B): 10	Non-hydrophytes Subtotal (B): 0				
	ı Grociii	t Hydrophytes (1007/7+b). 10	10 76				
HYDROLOGY  RECORDED D	ATA						
Stream, lake of Aerial photogory Other							
▼ NO RECORDE	ED DATA						
<b>▼</b> OBSERVATION	NS:						
Depth to Satu	e Water: 6 inches uration (including capillary fringe): 0 inches – satu ology (explain): None observed	urated at surface					
Inundated	Saturated within Upper 12" Wa	/ater Marks Drift Lines	s Sedi	liment Deposits	<b>▽</b> Draina	nage Patterns	
OTHER (explain	1):						

Project Title:	Calais LNG	MP: N/A (Te	erminal Site)	Transec	t: B2 Plot: Wetland
SOIL Sketch lan	dscape position o	of this plot. Indicate relati	ve position of other	plot(s) and the wetl	and flag if not on plan.
Wetland Plot Ce	nter ←25.5 feet -	→ Wetland Boundary ←	14.5 feet → Upland	I Plot Center	
		,			
Submission of	photo of plot is	encouraged. I	I DEDOVI	MORPHIC	
DEPTH (in.)	HORIZON	MATRIX COLOR	FEATURES (ca	olor, abundance, size, trast)	COMMENTS (USDA texture, nodules, concretions, masses, pore linings, restrictive layers, root distribution, soil water, etc)
+1 – 0	Oi	-	-		Fibric O horizon; balsam needles; partially decomposed herbaceous matter
0 – 7	Ар	2.5Y 3/2	10YR 4/4 f2p		Common fine roots; silt loam, approx. 5% sand; saturated
7 – 24	Bg	5Y 5/1	10YR 4/4 c2p		Silty clay loam; few medium roots, common fine roots; saturated
	INDICATOR(S)		•		REFERENCE(S):
NEHSTC: VI –	Depleted or Gle	eyed Matrix			New England Hydric Soils Technical Committee. 2004. 3rd ed., Field Indicators for Identifying Hydric Soils in New England. New England Interstate Water Pollution Control Commission, Lowell, MA.
OPTIONAL SO	OIL DATA				REFERENCE(S):
Taxonomic sul Soil drainage o					
CONCLUSION	IS				
Hydrophytic ve	egetation met?		YES •	NO	REMARKS:
Hydric soils cri	terion met?		<b>V</b>		
Wetland hydro	logy met?		<u>~</u>		
Is this data point in a wetland?			<u>~</u>		

PROJECT TITLE	: Calais LNG	MP: N/A (Terminal Site)	TRANSECT:	B2	PLOT: Upland		
EVALUATOR(S):	_WSM		<u>DATE:</u> July 1	11, 2008			
VEGETATION Stratum Herbs/Seedlings	Species Trientalis borealis (starflower) Dryopteris intermedia (evergreen woodfern) Abies balsamea (balsam fir)		Dominance Ratio 10.5/23.5 3/23.5 10.5/23.5	Percent Dominance 45% 13% 45%	DOM X X	NWI Status FAC  FAC	
Shrubs	Abies balsamea (balsam fir)		10.5/10.5	100%	Х	FAC	
Saplings	Abies balsamea (balsam fir) Betula papyrifera (paper birch)		10.5/13.5 3/13.5	78% 22%	X X	FAC FACU	
Trees	Thuja occidentalis (northern white cedar) Abies balsamea (balsam fir) Betula papyrifera (paper birch)		786/1403 368/1403 249/1403	56% 26% 18%	X X	FACW FAC 	
HYDROPHYTES			NON-HYDROP	PHYTES			
0 OBL		0 THER	0 FAC-	1 FACU		0 UPL	
OBL Hydrophytes Subtot		HEK		tes Subtotal (B): 1	1	UPL	
	Percei	ent Hydrophytes (100A/A+B): 86	6%				
HYDROLOGY RECORDED D Stream, lake							
Aerial photog							
▼ NO RECORDE							
✓ OBSERVATION	NS:						
Depth to Satu	e Water: > 21 inches uration (including capillary fringe): > 21 inches ology (explain): None						
Inundated	Saturated within Upper 12" Water	Vater Marks Drift Lines	s Sedi	liment Deposits	☐ Draina	nage Patterns	
OTHER (explain	n):						

Project Title: (	Calais LNG		MP: N/A (Terminal Site) Transect: B2 Plot: Upland					
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetle	and flag if not on pla	n.		
Wetland Plot Ce	nter ←25.5 feet -	→ Wetland Boundary ←1	I4.5 feet → Upland	Plot Center				
Submission of	photo of plot is	encouraged.						
				MORPHIC				
DEPTH (in)	HORIZON	MATRIX COLOR	FEATURES (conf	olor, abundance, size, rast)	COMMENTS (I	USDA texture, nodules, concretions, masses, pore linings, tive layers, root distribution, soil water, etc)		
0 – 11	A	2.5Y 5/3	None		Silt loam; few confew fine roots	arse roots; moist soil; no redox; friable;		
11 – 21	В	5Y 5/2	10YR 4/6 c2p		Clay loam; few medium roots; slightly moist			
>21	-	Not	Observed		-			
HYDRIC SOIL	INDICATOR(S)				REFERENCE(S)	·		
None	114210/11011(0)	•			New England H	ydric Soils Technical Committee. 2004. dicators for Identifying Hydric Soils in		
					New England. N	few England Interstate Water Pollution sion, Lowell, MA.		
OPTIONAL SO	OIL DATA				REFERENCE(S)	:		
Taxonomic sub Soil drainage o								
CONCLUSION								
			YES	NO	REMARKS:			
Hydrophytic ve			▼					
Hydric soils cri				~				
Wetland hydro	logy met?			<b>~</b>				
Is this data poi	nt in a wetland?			<b>~</b>				

PROJECT TITLE	Calais LNG	<u>MP:</u> 1	1.78	TRANSECT:	B6 <u><b>PL</b></u>	<u>OT</u> : Wetlan	d		
EVALUATOR(S):	_WSM			<u>DATE:</u> July 15, 2008					
VEGETATION Stratum Herbs/Seedlings	Species Aralia nudicaulis (wild sarsaparilla) Dryopteris cristata (crested woodfern) Osmunda cinnamomea (cinnamon fern) Abies balsamea (balsam fir) Carex disperma (soft leaf sedge)	į		Dominance Ratio 3/92.5 3/92.5 38/92.5 38/92.5 10.5/92.5	Percent Dominance 3% 3% 41% 41% 11%	DOM X X	NWI Status FACW FAC		
Mosses	Sphagnum sp. (sphagnum moss) Hylocomium splendens (feather moss)			38/76 38/76	50% 50%	X X	OBL NI		
Shrubs	Alnus rugosa (speckled alder) Ilex verticillata (common winterberry) Abies balsamea (balsam fir)			20.5/61.5 3/61.5 38/61.5	33% 5% 62%	x x	FACW+  FAC		
Saplings	Abies balsamea (balsam fir) Thuja occidentalis (northern white cedar) Acer rubrum (red maple)			63/84 10.5/84 10.5/84	75% 13% 13%	Х	FAC  		
Trees	Thuja occidentalis (northern white cedar) Abies balsamea (balsam fir) Acer rubrum (red maple)			687/946 23/946 236/946	73% 2% 25%	x x	FACW  FAC		
HYDROPHYTES				NON-HYDROF	PHYTES				
1 OBL	3 4 FACW FAC	1 *OTHER	_	0 FAC-	0 FAC	U	0 UPL		
Hydrophytes Subtot	al (A): 8		hytes (100A/A+B): 10	Non-hydrophytes Subtotal (B): 0					
HYDROLOGY									
RECORDED D	ATA								
Stream, lake of Aerial photogory Other									
▼ NO RECORDE	D DATA								
<b>☑</b> OBSERVATION	NS:								
Depth to Satu	Water: 7 inches ration (including capillary fringe): 0 inches - logy (explain): None	– saturated a	t surface						
Inundated	Saturated within Upper 12"	Water Mark	s Drift Line	s Sed	iment Deposits	<b>✓</b> Drain	age Patterns		
OTHER (explain	n):								
Water stained leave	s								

Project Title:	Calais LNG		M	<b>IP:</b> 1.78	Transect: B6	Plot: Wetland
SOIL Sketch lan	ndscape position of	of this plot. Indicate relative	ve position of other	plot(s) and the wetl:	land flag if not on plan.	
Wetland Plot Ce	enter ←15 feet →	Wetland Boundary ←15	feet → Upland Plo	ot Center		
Submission of	photo of plot is	encouraged.	•		,	_
DEPTH (in)	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC color, abundance, size, ntrast)	COMMENTS (USDA textu restrictive layers,	ure, nodules, concretions, masses, pore linings, , root distribution, soil water, etc)
0 – 19	Oe	10YR 2/1	None	1		some silt; fine material; no roots; ially to mostly decomposed wood,
>19	-	Rock	Refusal	1	-	
				1		
				3		
				1		
HYDRIC SOIL NEHSTC: III –	. INDICATOR(S) - Histosol	¢			3rd ed., Field Indicators	oils Technical Committee. 2004.  Is for Identifying Hydric Soils in gland Interstate Water Pollution owell, MA.
OPTIONAL SC	OIL DATA				REFERENCE(S):	
Taxonomic sub Soil drainage o						
CONCLUSION	18		YES	NO	REMARKS:	
Hydrophytic ve	egetation met?		TES		REWARNS.	
Hydric soils cri	iterion met?		<b>~</b>			
Wetland hydro	logy met?		<b>V</b>			
Is this data poi	int in a wetland?	i.	<b>~</b>			
1						

PROJECT TITLE:	Calais LNG	<u>MP</u> : 1.79	TRANSECT:	: Calais LNG <u>MP</u> : 1.79 <u>TRANSECT</u> : B6 <u>PLOT</u> : Upland						
EVALUATOR(S):	_WSM		DATE: July 1	15, 2008						
VEGETATION Stratum Herbs/Seedlings	Species  Maianthemum canadense (Canada mayflower) Vaccinium angustifolium (lowbush blueberry) Aralia nudicaulis (wild sarsaparilla)	)	Dominance Ratio 3/16.5 3/16.5 10.5/16.5	Percent Dominance 18% 18% 64%	DOM X	NWI Status FACU				
Mosses	Hylocomium splendens (feather moss)		63/63	100%	Х	NI				
Shrubs	Abies balsamea (balsam fir)		63/63	100%	Х	FAC				
Saplings	Abies balsamea (balsam fir)		63/63	100%	Х	FAC				
Trees	Thuja occidentalis (northern white cedar) Abies balsamea (balsam fir) Acer rubrum (red maple)		230/756 20/756 506/756	31% 2 67%	X X	FACW  FAC				
HYDROPHYTES			NON-HYDROP	HYTES						
0 OBL		0 THER	0 FAC-	1 FACU	.U	0 UPL				
Hydrophytes Subtota	al (A): 4		Non-hydrophyte	tes Subtotal (B): 1						
	Percer	nt Hydrophytes (100A/A+B): 80	0%							
HYDROLOGY  RECORDED DA										
Stream, lake o Aerial photogr Other										
▼ NO RECORDE	D DATA		,							
<b>▼</b> OBSERVATION	NS:									
Depth to Satur	water: > 16 inches iration (including capillary fringe): > 16 inches ology (explain): None									
Inundated	Saturated within Upper 12" Wa	ater Marks Drift Lines	s 🔲 Sedi	diment Deposits	☐ Draina	age Pattems				
OTHER (explain	1):									

Project Title: (	Calais LNG			<b>MP</b> : 1.79	Transect: B6	Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relati	ve position of other p	olot(s) and the wetla	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Plot	Center		
Submission of	photo of plot is	encouraged.				
DEPTH (in.)	HORIZON	MATRIX COLOR	REDOXIN FEATURES (col contr	or, abundance, size,	COMMENTS (USDA texture, restrictive layers, roc	nodules, concretions, masses, pore linings, ot distribution, soil water, etc)
+1 - 0	0	-	-		Needle duff; leaf litter	
0 - 3	А	2.5Y 2.5/1	None		Fine sand; common fine ar	nd medium roots; dry; no redox
3 - 5	Е	7.5YR 6/1	None		Fine sand; few roots; dry	
5 – 15	Bh	10YR 4/6	None		Sand; few roots; dry; rocky	
>15 inches		Rock	Refusal			
HADDIC COIL	INDICATOR(C)					
None	INDICATOR(S)	•			3rd ed., Field Indicators fo	r Technical Committee. 2004. or Identifying Hydric Soils in and Interstate Water Pollution ell, MA.
OPTIONAL SC	OIL DATA				REFERENCE(S):	
Taxonomic sub	oaroup:					
Soil drainage o						
	10					
CONCLUSION			YES	NO	REMARKS:	
Hydrophytic ve	egetation met?		<b>V</b>			
Hydric soils cri	terion met?			<b>~</b>		
Wetland hydro	logy met?			<b>~</b>		
Is this data poi	nt in a wetland?			<b>~</b>		

PROJECT TITLE	: Calais LNG	<u>MP:</u> 5.7	5	TRANSECT	: H66	_	<u>!</u>	PLOT: Wetla	and	
EVALUATOR(S):	AS, MPL					<b>DATE:</b> 7/30/0	08			
VEGETATION Stratum		Spec	cies			Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Ledum groenland	sphagnum moss) dicum (bog labrador t calyculata (leatherlea ges)				98/214.5 85.5/214.5 10.5/214.5 20.5/214.5	45% 40% 5% 10%	X X	OBL OBL 	
Shrubs	Pinus strobus (ea	astern white pine)				trace				
Saplings	None									
Trees	None									
HYDROPHYTES						NON-HYDROF	PHYTES			
2 OBL	0 FACW	0 FAC	0 *OTHER			0 FAC-	0 FACU	I	0 UPL	
Hydrophytes Subtot		1710				Non-hydrophytes Subtotal (B):0				
			Percent Hydro	ophytes (100A/	A+B): 10	0%				
HYDROLOGY RECORDED D Stream, lake	or tidal gage Ide	entifications:								
Aerial photogo Other	raphy Ide	entifications: entifications:								
▼ NO RECORDE	ED DATA									
<b>▼</b> OBSERVATION	NS:									
Depth to Satu	e Water: 10 inches uration (including c ology (explain):									
✓ Inundated	Saturated with	thin Upper 12"	☐ Water Ma	arks 🔲	Drift Lines	s 🔲 Sedi	iment Deposits	☐ Draina	age Patterns	
OTHER (explain	n):									

Project Title:	Project Title:Calais LNG		<b>MP</b> : 5.75	Transect:	:H66 Plot: Wetland
SOIL Sketch lar	ndscape position o	f this plot. Indicate relative	ve position of other	plot(s) and the wetl	and flag if not on plan.
Upland plot	15 ft Wetland B	oundary 20 ft Bog p	lot		
Submission of	photo of plot is	encouraged.			
				MORPHIC	COMMENTO
DEPTH (in)	HORIZON	MATRIX COLOR	FEATURES (co	olor, abundance, size, trast)	COMMENTS (USDA texture, nodules, concretions, masses, pore linings, restrictive layers, root distribution, soil water, etc)
2-0 0-20	Oi Oe	Peat 10YR 3/1	-		Standing water at 10 inches. 50% fine roots and fibers.
0 20		1011(0/1			otaniang water at 10 menes. 20% meneses and menes.
HYDRIC SOIL	INDICATOR(S)	<u> </u> :			REFERENCE(S):
III	( )				New England Hydric Soils Technical Committee. 2004. 3 <sup>rd</sup> ed., Field Indicators for Identifying Hydric Soils in New England.
					New England Interstate Water Pollution Control Commission, Lowell, MA.
					Lowell, M.L.
OPTIONAL SO	OII DATA				REFERENCE(S):
8	n/organic soils				NET ENERGY.
Taxonomic sul	baroup:				
Soil drainage of					
CONCLUSION	ıs				
			YES	NO	REMARKS:
Hydrophytic ve	-		<u>~</u>		Bog.
Hydric soils cri	terion met?		<b>~</b>		
Wetland hydro	logy met?		<b>V</b>		
Is this data poi	int in a wetland?		<b>V</b>		

PROJECT TITLE	: Calais LNG			PLOT: Uplar	nd				
EVALUATOR(S):	_AS, MPL				<b>DATE:</b> 7/30/	08			
VEGETATION Stratum		<u>Species</u>			Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Vaccinium angustifolium (lo Gaultheria procumbens (ea Pteridium aquilinum (bracke Aralia nudicaulis (wild sarsa	stern teaberry) enfern)			63/79.5 10.5/79.5 3/79.5 3/79.5	79% 13% 4% 4%		FACU   	
Shrubs	Pinus strobus (eastern white Betula papyrifera (paper bir				10.5/13.5 3/13.5	78% 22%	X X	FACU FACU	
Saplings	Pinus strobus (eastern white Betula papyrifera (paper bire				126/145 19/145	87% 13%		FACU 	
Trees	Populus grandidentata (big Pinus strobus (eastern white Pinus resinosa (red pine)				206/750 412/750 132/750	27% 55% 18%	X X	FACU FACU 	
HYDROPHYTES					NON-HYDROF	PHYTES			
0 OBL	0 1 FACW FA		<del></del>		0 FAC-	5 FACI	1	0 UPL	
Hydrophytes Subtot			ydrophytes (100A/	A+B): 0	Non-hydrophytes Subtotal (B):5				
***************************************			, (	,					
HYDROLOGY  RECORDED D	ATA								
Stream, lake Aerial photog Other		S:							
▼ NO RECORDE	D DATA								
✓ OBSERVATIOI	NS:								
Depth to Satu	e Water: None observed uration (including capillary frin ology (explain): None observe								
Inundated	Saturated within Upper 1	12" Water M	Marks 🔲 [	Orift Lines	s Sed	iment Deposits	☐ Drain	age Patterns	
OTHER (explain	n):								

Project Title:	Calais LNG		<b>MP:</b> 5.76	Transect:	H66 Plot: Upland	
SOIL Sketch lar	ndscape position o	f this plot. Indicate relative	ve position of other p	olot(s) and the wetla	tland flag if not on plan.	
Upland plot	15 ft Wetland Bo	oundary 20 ft Bog p	lot			
Submission of	photo of plot is e	encouraged.	5=50//			
DEPTH (in)	HORIZON	MATRIX COLOR	REDOXIN FEATURES (col	or, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses, pore linings, restrictive layers, root distribution, soil water, etc)	
2-0 0-0.5 0.5-8 8-20+	O A B1 B2	- 10YR 3/2 10YR 5/6 2.5Y 6/4	- - - -		Silt loam, 20% fine roots Fine sandy loam, 5% fine roots, 20% loose particles Silt loam, no roots, 20% course particles	
HYDRIC SOIL None	INDICATOR(S)			REFERENCE(S): New England Hydric Soils Technical Committee. 2004. 3 <sup>rd</sup> ed., Field Indicators for Identifying Hydric Soils in New England. New England Interstate Water Pollution Control Commission, Lowell, MA.		
OPTIONAL SO	OIL DATA				REFERENCE(S):	
: Taxonomic sul Soil drainage o						
CONCLUSION	NS		\/F0	NO	DEMARKO	
Hydrophytic ve	egetation met?		YES	NO •	REMARKS:	
Hydric soils cri	iterion met?			<b>~</b>		
Wetland hydro	logy met?			<b>V</b>		
Is this data poi	int in a wetland?					

PROJECT TITLE:	Calais LNG	MP: 6.28	TRANSECT: H64 PLOT: Wetlan			: Wetland
EVALUATOR(S):	_ A.S., M.P.L		<b>DATE:</b> July 3	31, 2008		
VEGETATION Stratum Herbs/Seedlings	Species Carex scoparia (broom-like sedge) Eleocharis (spikerush)* Juncus effusus (soft rush) Populus tremuloides (quaking aspen) Gallium sp. (bedstraw)		Dominance Ratio 10.5/37.5 10.5/37.5 10.5/37.5 3/37.5 3/37.5	Percent Dominance 28 28 28 8 8	DOM X X X	NWI Status FACW FACW 
Shrubs	Populus tremuloides (quaking aspen)	ļ	10.5/10.5	100	Х	FACU
Saplings	Tsuga canadensis (eastern hemlock)	3/3	100	Х	FACU	
Trees	Thuja occidentalis (northern white cedar) Tsuga canadensis (eastern hemlock)	297.6/533.1 235.5/533.1	56 44	X X	FACW FACU	
* Although the spiker	rush in this plot could not be identified to spec	cies				
HYDROPHYTES			NON-HYDROP	HYTES		
0	4 0	0	0	3		0
OBL Hydrophytes Subtota		*OTHER	FAC- Non-hydrophyte	FACL es Subtotal (B): 3	J	UPL
	Pe	ercent Hydrophytes (100A/A+B): 57	7%			
HYDROLOGY						
RECORDED DA						
Stream, lake o Aerial photogr Other						
☐ NO RECORDE	D DATA					
✓ OBSERVATION	NS:					
	Water: 0" rration (including capillary fringe): N/A logy (explain): None observed					
Inundated	Saturated within Upper 12"	Water Marks Drift Lines	s Sedi	iment Deposits	<b>▽</b> Draina	age Patterns
OTHER (explain	ı):					

Project Title: Calais LNG				<b>MP</b> : 6.28	Transect: H64	Plot: Wetland
SOIL Sketch lar	ndscape position of	of this plot. Indicate relative	ve position of other	er plot(s) and the wet	land flag if not on plan.	
Submission of	f photo of plot is	encouraged				
				IMORPHIC		
DEPTH	HORIZON	MATRIX COLOR	FEATURES (	(color, abundance, size, ontrast)		nodules, concretions, masses, pore linings, t distribution, soil water, etc)
0 - 1	A	10YR 4/2			Silt loam, 10% coarse fragn surface.	nents, no redox. Water at
1 - 10	B1	5GY 4/1	10YR	R 5/6 c2p	Silty clay loam, 5% fine root to surface.	ts, 10% coarse particles. Water
10 - 20	B2	5GY 4/1	10YF	R 5/6 f2p	Silty clay loam, no roots, wa intermixed (10%) inch-long	ater to surface, gravel
				n concentrations, m1p	Internation (1070) men issue	
LIVERIO COIL	"NDICATOR(C	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			DEFEDENCE (C).	
HYDKIC SOIL	_ INDICATOR(S)	): VI				Technical Committee. 2004. r Identifying Hydric Soils in
					New England. New England Control Commission, Lowe	nd Interstate Water Pollution
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sul	bgroup:					
Soil drainage o	class:					
CONCLUSION	NS		\/F0	NO	DEMARKO.	
Hydrophytic ve	egetation met?		YES •	NO	REMARKS:	
Hydric soils cri	iterion met?		V			
Wetland hydro	ology met?		<b>▽</b>			
Is this data poi	int in a wetland?	)	<b>~</b>			
i						

PROJECT TITLE	: Calais LNG	<u>MP:</u> 6.27	TRANSECT:	H64	<u>P</u>	PLOT: Upland			
EVALUATOR(S):	_ A.S., M.P.L		<b>DATE:</b> July 3	31, 2008					
VEGETATION Stratum	<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status			
Herbs/Seedlings	Populus tremuloides (quaking aspen) Tsuga canadensis (eastern hemlock) Rubus pubescens (dwarf blackberry)		20.5/34 10.5/34 3/34	60 31 9	X X	FACU FACU 			
Shrubs	Populus tremuloides (quaking aspen) Populus grandidentata (big tooth aspen)		20.5/31 10.5/31	66 34	X X	FACU FACU-			
Trees	Thuja occidentalis (northern white cedar) Pinus strobus (eastern white pine) Populus grandidentata (big tooth aspen) Tsuga canadensis (eastern hemlock) Betula populifolia (gray birch)		402.7/818.7 226/818.7 113/818.7 38.5/818.7 38.5/818.7	49 28 14 5 5	X X	FACW FACU  			
HYDROPHYTES	HYDROPHYTES NON-HYDROPHYTES								
0	1 0 0	n	0	5		0			
OBL	FACW FAC *OTH		FAC-	FACU	J	UPL			
Hydrophytes Subtot				tes Subtotal (B): 5					
		nt Hydrophytes (100A/A+B): 1	7%						
HYDROLOGY									
RECORDED D	ATA								
Stream, lake Aerial photog Other									
▼ NO RECORDE	ED DATA								
OBSERVATION	NS:								
Depth to Satu	e Water: Not observed uration (including capillary fringe): Not observed ology (explain): None observed								
Inundated	Saturated within Upper 12" Wat	ater Marks Drift Lines	s 🔲 Sed	diment Deposits	☐ Drain	nage Patterns			
OTHER (explain	n):								

ı

Project Title:	Calais LNG		MP: 6.2	27	Transect: H64	Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other plot(s	) and the wetl	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Plot Cen	ter		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIMORF FEATURES (color, abu contrast)		COMMENTS (USDA texture, nodules, correstrictive layers, root distribution	oncretions, masses, pore linings, on, soil water, etc)
2-0	0	Org.				
0-2	А	2.5YR 4/3			Silt loam, 5% coarse fragments, 10	)% fine roots
2-10	B1	10YR 5/6			Silt loam, 10% coarse fragments, <	<5% fine roots
10-20	B2	10YR 5/4			Silt loam, 15% coarse fragments, <	<5% fine roots
HYDRIC SOIL	INDICATOR(S)	: N/A			REFERENCE(S): New England Hydric Soils Techni 3rd ed., Field Indicators for Identi New England. New England Inter Control Commission, Lowell, MA.	ifying Hydric Soils in rstate Water Pollution
OPTIONAL SC	OIL DATA:				REFERENCE(S):	
Taxonomic sub	paroup:				, ,	
Soil drainage o						
CONCLUSION	IS					
Hydrophytic ve	getation met?		YES NO		REMARKS:	
Hydric soils cri	terion met?					
Wetland hydrology met?						
Is this data poi	nt in a wetland?					

PROJECT TITLE:	Calais LNG	<b>MP:</b> 6.93		TRANSEC	<u>T</u> : F3 (Flag 28)	PL	OT: Wetland
EVALUATOR(S):	_ L.L.			DATE: Au	gust 1, 2008		
VEGETATION	Conn	•		Dominance	Percent	DOM	ANAII Otatua
<u>Stratum</u>	Speci	<u>ies</u>		Ratio	Dominance	DOM	NWI Status
Herbs/Seedlings	Salix petiolaris (slender willow) Agrostis gigantea (redtop) Potentilla simplex (common cinquefoil) Trifolium repens (white clover) Carex scoparia (broom-sedge) Aster novi-belgii (New York aster)			38/120.5 38/120.5 20.5/120.5 10.5/120.5 10.5/120.5 3/120.5	32 32 17 9 2	X X	OBL FACW   
HYDROPHYTES				NON-HYDROP	HYTES		
1	1 0	0		0	0		0
OBL	FACW FAC	*OTHER	-	FAC-	FACL	J	UPL
Hydrophytes Subtota		Percent Hydrophytes (100A/A	1±R\- 10		es Subtotal (B): 0		
		1 Glociit i iyaropiiyasa (100. a.	(, D)	0 70			
HYDROLOGY RECORDED DA							
Stream, lake of Aerial photogr Other							
▼ NO RECORDE	D DATA						
OBSERVATION	IS:						
Depth to Satu	Water: 8 inches ration (including capillary fringe): 0 inche logy (explain): None observed	es – at surface					
Inundated	Saturated within Upper 12"	Water Marks	Orift Lines	Sedi	ment Deposits	☐ Draina	age Patterns
OTHER (explain	):						

Project Title:	Calais LNG		<b>P:</b> 6.93	Transect: F-3, Flag 28	Plot: Wetland			
SOIL Sketch lar	dscape position of	of this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.			
Wetland Plot Ce	nter ←10 feet →	Wetland Boundary ←15	feet → Pit B Uplar	d Plot Center				
Submission of	photo of plot is	encouraged.						
DEDTH (:)	LIODIZON	MATRIX COLOR		MORPHIC	COMMENTO			
DEPTH (in)	HORIZON	MATRIX COLOR	FEATURES (color, abundance, size, contrast)		COMMENTS (USDA texture, nodules, concreti restrictive layers, root distribution, soil	ons, masses, pore linings, water, etc)		
0-2	Α	2.5YR 4/3	10YR 4/6 c2d		Silt Loam			
2-8	Bg	5YR 5/2	10YR 4	/6 m2d	Silt Loam			
HYDRIC SOIL	INDICATOR(S)	<u>l</u> : VI			REFERENCE(S):			
	( )				New England Hydric Soils Technical Committee. 2004. 3rd ed., Field Indicators for Identifying Hydric Soils in			
					New England. New England Interstate Water Pollution Control Commission, Lowell, MA.			
OPTIONAL SO	OIL DATA:				REFERENCE(S):			
Taxonomic sul	ogroup:							
Soil drainage of	class:							
CONCLUSION	IS							
			YES	NO	REMARKS: Adjacent to construction fill stockpile & rece	ent ditch draining		
Hydrophytic vegetation met?		_	vernal pool.	and aron aranimy				
	Hydric soils criterion met?			Fill @ flags F3 – F55 Adjacent to construction areas				
Wetland hydro	•		<b>V</b>		Wet meadow hayfield			
is triis data pol	nt in a wetland?		▼					

PROJECT TITLE:	Calais LNG	LNG <u>MP:</u> 6.94 <u>TRANSECT</u> : F3 (Flag 28) <u>PLOT</u> : Upland						
EVALUATOR(S):	_L.L.			<b>DATE:</b> Au	gust 1, 2008			
VEGETATION Stratum	Spec	i <u>ies</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Potentilla simplex (common cinquefoil) Agrostis perennans (upland bentgrass Fragaria virginiana (wild strawberry) Betula populifolia (gray birch) Hieraceum pretense (field hawkweed) Trifolium pretanse (red clover) Salix petiolaris (slender willow) Spiraea alba var. latifolia (eastern mea	)		38/119 38/119 20.5/119 10.5/119 3/119 3/119 3/119	32 32 17 9 3 3 3 3	X X	FACU- FACU    	
HYDROPHYTES				NON-HYDROP	HYTES			
0	0 0	0		0	2		0	
OBL	FACW FAC	*OTHER		FAC-	FACU	l	UPL	
Hydrophytes Subtota	al (A): 0			Non-hydrophyte	es Subtotal (B): 2			
		Percent Hydrophytes	(100A/A+B): 0	%				
HYDROLOGY								
RECORDED DA	ATA							
Stream, lake of Aerial photogr Other								
<b>▼</b> NO RECORDE	D DATA							
<b>▼</b> OBSERVATION	IS:							
Depth to Satu	Water: > 12 inches ration (including capillary fringe): >12 in logy (explain): None observed	ches						
Inundated	Saturated within Upper 12"	Water Marks	☐ Drift Lines	s	ment Deposits	☐ Draina	age Patterns	
OTHER (explain	):							

Project Title: (	Calais LNG			<b>MP:</b> 6.94	Transect: F3, Flag 28 Plot	<b>t</b> : Upland		
SOIL Sketch lan	dscape position o	of this plot. Indicate relative	e position of oth	er plot(s) and the wet	and flag if not on plan.			
Wetland Plot Ce	nter) ←10 feet →	➤ Wetland Boundary ←1	5 feet Upland Plo	t Center				
Submission of	photo of plot is	encouraged.						
DEPTH (in)	HORIZON	MATRIX COLOR		(color, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses, p	oro liningo		
	HORIZON	WATTIX COLOR		contrast)	restrictive layers, root distribution, soil water, etc)	ore irings,		
0-2	AB	2.5YR 4/2			Silt Loam			
2-4	Bw1	2.5YR 5/3			Silt Loam			
4-7	Bw2	2.5YR 5/3	2.5Y	R 5/2 c2f	Silt Loam			
7.40	D.	0.570.570	40)//	D 4/0 + 0 -l	0.00			
7-10+	Bg	2.5YR 5/2	1041	R 4/6 c2d	Silt Loam			
HYDRIC SOIL	INDICATOR(S)	: Non-Hydric			REFERENCE(S):	2224		
					New England Hydric Soils Technical Committee. 2004. 3rd ed., Field Indicators for Identifying Hydric Soils in			
					New England. New England Interstate Water Po Control Commission, Lowell, MA.	ollution		
OPTIONAL SO	OII DATA:				REFERENCE(S):			
					1.5. 2.1.3. (3).			
Taxonomic sub Soil drainage o								
CONCLUSION	IS							
Hydrophytic ve	getation met?		YES	NO	REMARKS: Plot is located in maintained hayfield.			
Hydric soils cri	-							
Wetland hydro								
•	nt in a wetland?							
.5 the data por	a wolland:							

PROJECT TITLE:	E: Calais LNG MP: 10.67 TRANSECT: E20 PLOT: Wetland						
EVALUATOR(S):	_ L.L, R.M.			DATE: July 2	26, 2008		
VEGETATION Stratum	<u>Sp</u>	<u>ecies</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Calamagrostis canadensis (bluejoint Onoclea sensibilis (sensitive fern)	)		63/66 3/66	95 5	Х	FACW+
Shrubs	Spiraea alba var. latifolia (eastern meadowsweet) Alunus incana ssp. rugosa (speckled alder) Abies balsamea (balsam fir) Acer rubrum (red maple) Rosa virginiana (virginia rose)			85.5/150 38/150 20.5/150 3/150 3/150	57 25 14 2 2	X X	FAC+ FACW+  
Trees	Abies balsamea (balsam fir)			19.6/19.6	100	X	FAC
HYDROPHYTES			•	NON-HYDROF	PHYTES		
0 OBL	2 2 FACW FAC	0 *OTHER		0 FAC-	0 FACI		0 UPL
Hydrophytes Subtota		Percent Hydrophytes (1	00A/A+B): 10	Non-hydrophyt	es Subtotal (B): 0	J	OFL
LIVEROL COV			•				
HYDROLOGY RECORDED DA	ATA						
Stream, lake of Aerial photogr Other							
▼ NO RECORDE	D DATA						
<b>▼</b> OBSERVATION	NS:						
Depth to Satu	Water: Ponded + 5" rration (including capillary fringe): N/A logy (explain): None observed						
✓ Inundated	Saturated within Upper 12"	Water Marks	☐ Drift Lines	s Sed	iment Deposits	☐ Draina	age Pattems
OTHER (explain	1):						

Project Title: (	Calais LNG		М	<b>P</b> : 10.67	Transect: E20 Plot: V	Vetland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetle	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←6 f	eet → Upland Plot	Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC blor, abundance, size, trast)	COMMENTS (USDA texture, nodules, concretions, masses restrictive layers, root distribution, soil water, etc)	s, pore linings,
0 - 12	Ар	2.5YR 3/1	None		Disturbed soils, high fibric content.	
12 - 16	Bg	5GY 5/1	None		Gleyed.	
HYDRIC SOIL	INDICATOR(S)	: VII			REFERENCE(S): New England Hydric Soils Technical Committ 3rd ed., Field Indicators for Identifying Hydric New England. New England Interstate Water Control Commission, Lowell, MA.	Soils in
OPTIONAL SC	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	lass:					
CONCLUSION	IS		\/F0	NO	DEMARKO	
Hydrophytic ve	getation met?		YES	NO	REMARKS: Powerline Clearing	
Hydric soils cri	terion met?		V			
Wetland hydro	ogy met?		<b>~</b>			
Is this data poi	nt in a wetland?		V			

PROJECT TITLE	JECT TITLE:Calais LNGMP:10.67TRANSECT:E20PLOT:Upland							
EVALUATOR(S):	_ L.L., R.M.			DATE: July 2	26, 2008			
VEGETATION Stratum	<u>Sp</u>	ecies		Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Aralia nudicaulis (wild sarsaparilla) Aster macrophyllus (large leaved as Lonicera canadensis (American fly h	ter) noneysuckle)		10.5/16.5 3/16.5 3/16.5	64 18 18	Х	FACU  	
Shrubs		Lonicera canadensis (American fly honeysuckle) Thuja occidentalis (northern white cedar)				X X	FAC FACU 	
Sapling	Acer rubrum (red maple) Quercus rubra (red oak) Poplus grandidentata (big tooth aspe	en)		20.5/34 10.5/34 3/34	60 31 9	X X	FAC FACU- 	
Trees	Poplus grandidentata (big tooth aspet Thuja occidentalis (northern white ce Picea glauca (white spruce) Abies balsamea (balsam fir) Quercus rubra (red oak)			247/548 154/548 79/548 39/548 29/548	45 28 14 7 5	X X	FACU- FACW  	
HYDROPHYTES				NON-HYDROF	HYTES			
0	1 2	0		0	4		0	
OBL	FACW FAC	*OTHER	· <b>-</b>	FAC-	FACL	J	UPL	
Hydrophytes Subtot	tal (A): 3				es Subtotal (B): 4			
		Percent Hydrophytes (	100A/A+B): 43	3%				
HYDROLOGY								
☐ RECORDED D	ATA							
Stream, lake Aerial photog Other	raphy Identifications: > 15 in							
▼ NO RECORDE	ED DATA							
▼ OBSERVATIOI	NS:							
Depth to Satu	Depth to Free Water: >15 inches Depth to Saturation (including capillary fringe): >15 inches Altered Hydrology (explain): None observed							
Inundated	☐ Inundated ☐ Saturated within Upper 12" ☐ Water Marks ☐ Drift Lines ☐ Sediment Deposits ☐ Drainage Patterns							
OTHER (explain	n):							

Project Title:	Calais LNG		<b>MP:</b> 10.67	Transect:	E20 Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetla	and flag if not on plan.
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←6 f	eet → Upland Plot	Center	
Submission of	photo of plot is	encouraged.			
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (co contr	lor, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses, pore linings, restrictive layers, root distribution, soil water, etc)
0-2	A	10YR 5/3	No	ne	Silt Loam
2-15	Bw	2.5YR 5/4	No	ne	Silt Loam
HADDIC COIL	INDICATOR(S)	. Non Hydria			REFERENCE(S):
TITURIO SOIL	INDICATOR(3)	. Non-riyunc			New England Hydric Soils Technical Committee. 2004. 3rd ed., Field Indicators for Identifying Hydric Soils in New England. New England Interstate Water Pollution Control Commission, Lowell, MA.
OPTIONAL SO	ΝΙ ΠΔΤΔ·				REFERENCE(S):
					NEI ENENOE(O).
Taxonomic sub					
Soil drainage o	class:				
CONCLUSION	IS		YES	NO	DEMARKS.
Hydrophytic ve	egetation met?		TES	NO V	REMARKS:
Hydric soils cri	terion met?			<b>~</b>	
Wetland hydro	logy met?			<b>▽</b>	
Is this data poi	nt in a wetland?			V	

PROJECT TITLE:	Calais LNG		<u>MP:</u> 11.44		TRANSECT:	C24	<u>PL</u>	OT: Wetland
EVALUATOR(S):	_ L.L., R.M.				DATE: July 2	26, 2008		
VEGETATION Stratum		<u>Spe</u>	<u>cies</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Potentilla simple		l)		85.5/157.5 38/157.5 20.5/157.5 10.5/157.5 3/157.5	54 24 13 7 2	X	FACW FACW  
HYDROPHYTES					NON-HYDROF	PHYTES		
0	2	0	0		0	0		0
OBL	FACW	FAC	*OTHER	•	FAC-	FACI	J	UPL
Hydrophytes Subtota	al (A): 1		Percent Hydrophytes	s (100A/A+B)· 10		es Subtotal (B): 1		
			r ordent riyaropriytee	5 (100/1/11·B). 10	10 70			
HYDROLOGY RECORDED DA	ATA							
Stream, lake of Aerial photogr Other	aphy Id	lentifications: lentifications: lentifications:						
▼ NO RECORDE	D DATA							
▼ OBSERVATION	NS:							
Depth to Satu	Water: 5 inches ration (including logy (explain): N	capillary fringe): 0 incl	hes (surface)					
Inundated	Saturated w	ithin Upper 12"	Water Marks	☐ Drift Lines	s Sed	ment Deposits	☐ Drain	age Patterns
OTHER (explain								

Project Title:	Calais LNG		M	<b>P:</b> 11.44	Transect: C24	Plot: Wetland
<b>SOIL</b> Sketch land See Upland sket		of this plot. Indicate relative	e position of other	plot(s) and the wetle	and flag if not on plan.	
Wetland Plot Ce	enter ←15 feet →	Wetland Boundary ←10	feet → Upland Plo	t Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC olor, abundance, size, trast)	COMMENTS (USDA texture, nodule restrictive layers, root distril	
0-9	AB	2.5YR 5/3	Oxidized rhizo	spheres, mp1	Silt Loam	
9-15	Bg	5YR 5/3	7.5YR 2.5/1 Mn, m1p 5YR 5/2 m2f		Silt Loam	
200	22.702(0)					
HYDRIC SOIL Redox to soil s		): XIII – Altered, strippe	d hayfield-topsou	removed.	REFERENCE(S): New England Hydric Soils Tecl 3rd ed., Field Indicators for Ide New England. New England In Control Commission, Lowell, M	entifying Hydric Soils in nterstate Water Pollution
OPTIONAL SC	JIL DATA:				REFERENCE(S):	
Taxonomic sub	bgroup:					
Soil drainage o	class:					
CONCLUSION	vs.					
Hydrophytic ve	egetation met?		YES •	NO	REMARKS: Altered hayfield – topsoil remov	red.
Hydric soils cri	iterion met?		<u>~</u>			
Wetland hydro	ology met?		<b>V</b>			
Is this data poi	int in a wetland?		<b>~</b>			
ĺ						

PROJECT TITLE	: Calais LNG	<u>MP:</u> 11.44		TRANSECT:	C24	<u>PL01</u>	: Upland	
EVALUATOR(S):	_ L.L., R.M.			DATE: July 2	26, 2008			
VEGETATION Stratum		<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Danthonia spicata (wild oatgrass Potentilla simplex (common cinqu Carex sp. (unidentifiable sedge)			63/129 63/129 3/129	49 49 2	X	UPL FACU- 	
HYDROPHYTES			•	NON-HYDROF	PHYTES			
0 OBL	0 0 FACW FAC	0 *OTHER		0 FAC-	1 FACU	1	1 UPL	
Hydrophytes Subtot				Non-hydrophytes Subtotal (B): 2				
		Percent Hydrophytes (*	100A/A+B): 0	<u>%</u>				
HYDROLOGY RECORDED D	ATA							
Stream, lake Aerial photog Other								
▼ NO RECORDE	D DATA							
▼ OBSERVATION	NS:							
Depth to Satu	Water: > 15 inches rration (including capillary fringe): > logy (explain): None observed	>15 inches						
Inundated	Saturated within Upper 12"	Water Marks	☐ Drift Lines	S Sedi	ment Deposits	☐ Draina	age Patterns	
OTHER (explain	<b>n)</b> :							

Project Title: (	Calais LNG		M	<b>P:</b> 11.44	Transect: C24	Plot: Upland		
SOIL Sketch lan	idscape position o	of this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.			
Wetland Plot Ce	enter ←15 feet →	Wetland Boundary ←10	feet → Upland Plo	ot Center				
Submission of	photo of plot is	encouraged.						
				MORPHIC				
DEPTH	HORIZON	MATRIX COLOR	FEATURES (cont	olor, abundance, size, trast)	COMMENTS (USDA texture, nodules restrictive layers, root distribu	, concretions, masses, pore linings, ution, soil water, etc)		
0-7	A	10YR 4/3	Many fine	avidizad	Silt loam			
0-1	^	1011114/3		pheres	Silt loan			
7-11	Bw	2.5YR 5/4	10YR 4/4	conc., c2d	Silt loam			
11	Bg	5YR 5/3		2.5/1 Mn	Silt loam			
				tions, m1p /2, m2f				
				•				
HYDRIC SOIL	. INDICATOR(S)	<u> </u>			REFERENCE(S):			
Non-Hydric					New England Hydric Soils Technical Committee. 2004. 3rd ed., Field Indicators for Identifying Hydric Soils in			
					New England. New England Int	terstate Water Pollution		
					Control Commission, Lowell, M.	A.		
OPTIONAL SC	OIL DATA:				REFERENCE(S):			
Taxonomic sub	ogroup:							
Soil drainage o	class:							
CONCLUSION	<del></del>							
Hydrophytic ve			YES	NO	REMARKS:			
	•			<b>~</b>				
Hydric soils cri				<b>▽</b>				
Wetland hydro				~				
Is this data poi	int in a wetland?			<b>▽</b>				

PROJECT TITLE:	: Calais LNG	<u>MP:</u> 13.78	<u>transect</u> :	)7	PLOT: Wetland	
EVALUATOR(S):	_ A.S., M.P.L		DATE: Augus	st 1, 2008		
VEGETATION Stratum		<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Carex sp. (unknown sedge) Equisetum sylvaticum (wood ho	orsetail)	38/48.5 10.5/48.5	78 22	Х	NI FACW
Shrubs	Hamamelis virginiana (americar Acer rubrum (red maple)	n witch-hazel)	10.5/13.5 3/13.5	78 22	X	FAC- FAC
Sapling	Abies balsamea (balsam fir) Acer rubrum (red maple) Thuja occidentalis (northern whi	iite cedar)	38/44 3/44 3/44	86 7 7	X	FAC  
Trees	Abies balsamea (balsam fir) Thuja occidentalis (northern whi Betula populifolia (gray birch)	ite cedar)	399.6/570.8 132.7/570.8 38.5/570.8	70 23 7	X X	FAC FACW 
HYDROPHYTES:			NON-HYDROP	NINTEO.		
			NON-UT DVOL			_
0 OBL	2 3 FACW FAC	0 *OTHER	1 FAC-	0 FACU	Ū	0 UPL
Hydrophytes Subtot				es Subtotal (B): 1		
		Percent Hydrophytes (100A/A	+B): 86%			
HYDROLOGY						
RECORDED D	ATA					
Stream, lake of Aerial photogo Other						
▼ NO RECORDE	ED DATA					
☐ OBSERVATION	NS:					
Depth to Satu	e Water: 14 inches uration (including capillary fringe): ology (explain): None observed	: < 12 inches				
Inundated	Saturated within Upper 12"	Water Marks Di	rift Lines Sedi	iment Deposits	<b>▽</b> Draina	age Patterns
OTHER (explain	n):					

Project Title:	Calais LNG		N	<b>IP:</b> 13.78	Transect: D7	Plot: Wetland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Pl	ot Center		
Submission of	photo of plot is	encouraged				
			REDOXI	MORPHIC		
DEPTH	HORIZON	MATRIX COLOR		color, abundance, size, ntrast)	COMMENTS (USDA texture, nodul restrictive layers, root distri	es, concretions, masses, pore linings, ribution, soil water, etc)
1-0	0					
0-4	А	2.5Y 4/1			Silt loam, 5% fine roots, 10% c	oarse particles
4-16	Bg	2.5Y 6/2	2.5YR	6/6, c2d	Restrictive layer at 16 inches. Silt loam, 30% coarse particles inches	s, no roots. Water at 14
HYDRIC SOIL	INDICATOR(S)	: VI			REFERENCE(S): New England Hydric Soils Ted 3rd ed., Field Indicators for Id New England. New England I Control Commission, Lowell, I	entifying Hydric Soils in nterstate Water Pollution
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sul	ogroup:					
Soil drainage of	class:					
CONCLUSION	IS		VEO	NO	DEMARKO	
Hydrophytic ve	egetation met?		YES •	NO	REMARKS:  ***Narrow Wetland area. Upland v Approximately ½ of wetland plo	
Hydric soils cri	terion met?		<b>~</b>		, pp. 6/4a.c., /2 6/1a.c. p. 6	
Wetland hydro	logy met?		<b>~</b>			
Is this data poi	nt in a wetland?		<b>V</b>			

PROJECT TITLE:	Calais LNG	<u>MP:</u> 13.79	TRANSECT:	D7 <u><b>F</b></u>	PLOT: Uplan	ıd
EVALUATOR(S):	_ A.S., M.P.L		<b>DATE</b> : Augus	st 1, 2008		
VEGETATION Stratum	<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
	Osmunda claytoniana (interrupted fern) Thelypteris noveboracensis (New York fern) Abies balsamea (balsam fir) Aralia nudicaulis (wild sarsaparilla) Cornus canadensis (bunchberry) Trientalis borealis (American starflower) Maianthemum canadense (Canada mayflow		20.5/46 10.5/46 3/46 3/46 3/46 3/46 3/46	45 23 7 7 7 7 7	X	FAC FAC   
Shrubs	Hamamelis virginiana (American witch-hazel Abies balsamea (balsam fir)	1)	20.5/23.5 3/23.5	87 13	Х	FAC- 
Sapling	Acer rubrum (red maple) Populus tremuloides (quaking aspen) Betula populifolia (gray birch)		38/61.5 20.5/61.5 3/61.5	62 33 5	X X	FAC FACU 
Trees	Abies balsamea (balsam fir) Thuja occidentalis (northern white cedar) Betula populifolia (gray birch)		558.5/790.9 153.9/790.9 78.5/790.9	71 19 10	Х	FAC  
HYDROPHYTES			NON-HYDROP	'HYTES		
0	0 4	0	1	1		0
OBL	FACW FAC *C	OTHER	FAC-	FACL	J	UPL
Hydrophytes Subtota	• •	(400A/A D), C		es Subtotal (B): 2		
	Perc	cent Hydrophytes (100A/A+B): 67	<u>7%</u>			
HYDROLOGY					ļ	
RECORDED DA						
Stream, lake o Aerial photogr Other						
▼ NO RECORDE	D DATA					
☐ OBSERVATION	NS:					
Depth to Satur	Water: None observed iration (including capillary fringe): None observed logy (explain): None Observed	ved				
Inundated	Saturated within Upper 12"	Water Marks Drift Lines	s Sedi	iment Deposits	☐ Draina	age Patterns
OTHER (explain	1):					

Project Title: (	Calais LNG		MP:	: 13.79	Transect: D7	Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other plant	ot(s) and the wetle	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Plot (	Center		
Submission of	photo of plot is e	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIMO FEATURES (color		COMMENTS (USDA texture, nodules, concretion	e maccoe noro lininge
	HORIZON	WATRIX GOLOR	contras		restrictive layers, root distribution, soil w	ater, etc)
1-0	0					
0-2	Α	2.5Y 3/1	None	е	Silt loam, 5% coarse roots, 10% fine root	.S
2-10	B1	10YR 4/4	None	е	Silt loam, 5% coarse roots, 10% fine root particles	s, 5% coarse
					particles	
10+	B2	2.5Y 5/3	None	e	Silt loam, 5% coarse roots, 3% fine roots	. 10% coarse
					particles	, ,
111/0010 0011	INDIOATOR(O)	N. I. I.			DEEEDENOE(O)	
HYDRIC SOIL	INDICATOR(S)	: Non-nyaric			REFERENCE(S): New England Hydric Soils Technical Co	
					3rd ed., Field Indicators for Identifying New England. New England Interstate	<i>Hydric Soils in</i> Water Pollution
					Control Commission, Lowell, MA.	
OPTIONAL SC	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	alss:					
CONCLUSION	JS					
			YES	NO	REMARKS:	
Hydrophytic ve	•			<b>V</b>		
Hydric soils cri				<b>▽</b>		
Wetland hydro	logy met?			<b>V</b>		
Is this data poi	int in a wetland?			<b>▽</b>		

PROJECT TITLE: Calais LNG		<u>MP</u> : 14.31		TRANSECT: H11		PLOT: Wetland	
EVALUATOR(S):	_ A.S., M.P.L			<u>DATE:</u> August 1, 2008			
VEGETATION Stratum		<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Onoclea sensibilis (sensitive fen Carex sp.(unknown sedge)	n)		85.5/88.5 3/88.5	97 3	X	FACW 
HYDROPHYTES				NON-HYDROPH	IVTEQ		
	4	0					0
0 OBL	1 0 FACW FAC	0 *OTHER	•	0 FAC-	0 FACL	J	0 UPL
Hydrophytes Subtot	al (A): 1	5	4000/0 5) 4	Non-hydrophyte	s Subtotal (B): 0		
		Percent Hydrophytes (	100A/A+B): 1	00%			
HYDROLOGY RECORDED D	ATA						
Stream, lake Aerial photog Other							
▼ NO RECORDE	D DATA						
☐ OBSERVATION	NS:						
Depth to Satu	Water: 14 inches ration (including capillary fringe): logy (explain): None observed	< 12 inches					
Inundated	Saturated within Upper 12"	Water Marks	☐ Drift Line	es 🔲 Sed	ment Deposits	<b>▼</b> Draina	age Patterns
OTHER (explain	<b>n</b> ):						

Project Title: (	Calais LNG		М	<b>P</b> : 14.31	Transect: H11	Plot: Wetland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Plo	t Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC olor, abundance, size, trast)	COMMENTS (USDA texture, nodules, concretions restrictive layers, root distribution, soil was	s, masses, pore linings, ater, etc)
0-12	Α	10YR 3/1			Silt loam, 10% fine roots	
12-20	В	2.5Y 6/1	Oxidized rh	nizospheres	Silt loam, <5% fine roots, water at 14 incl	nes
HYDRIC SOIL	INDICATOR(S)	: VII			REFERENCE(S): New England Hydric Soils Technical Co 3rd ed., Field Indicators for Identifying I New England. New England Interstate Control Commission, Lowell, MA.	Hydric Soils in
OPTIONAL SO	OII DATA:				REFERENCE(S):	
Taxonomic sub						
Soil drainage of						
Soil drainage d	lass.					
CONCLUSION	IS		YES	NO	REMARKS:	
Hydrophytic ve	egetation met?				***Wetland is narrow therefore vegetation in a has been excluded.	adjacent uplands
Hydric soils cri	terion met?				וומט מספוו פאטועשפע.	
Wetland hydro	logy met?					
Is this data poi	nt in a wetland?					

PROJECT TITLE:	TITLE: Calais LNG MP: 14.31 TRANSECT: H11 PLOT: Upland					
EVALUATOR(S):	_ A.S., M.P.L		<b>DATE:</b> August	1, 2008		
VEGETATION Stratum		<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Abies balsamea (balsam fir) Osmunda claytoniana (interrup Pteridium aquilinum (bracken f Aralia nudicaulis (wild sarsapa	fern)	10.5/19.5 3/19.5 3/19.5 3/19.5	54 15 15 15	X	FAC  
Shrubs	Abies balsamea (balsam fir) Tsuga canadensis (eastern he	mlock)	10.5/13.5 3/13.5	78 22	X X	FAC FACU
Sapling	Abies balsamea (balsam fir)		10.5/10.5	100	Х	FAC
Trees	Tsuga canadensis (eastern he Abies balsamea (balsam fir) Acer rubrum (red maple)	mlock)	1118.3/1489.6 258.5/1489.6 113/1489.6	75 17 8	X	FACU  
HYDROPHYTES			NON-HYDROPH	IYTES		
0	0 3	0	0	2		0
OBL Hydrophytes Subtota	FACW FAC tal (A): 3	*OTHER Percent Hydrophytes (100)	FAC- Non-hydrophytes IA/A+B): 60%	FACL s Subtotal (B): 2	J	UPL
:::/DDO! 00V						
HYDROLOGY  RECORDED DA	ATA					
Stream, lake of Aerial photogr Other						
▼ NO RECORDE	ED DATA					
☐ OBSERVATION	NS:					
Depth to Satu	e Water: None observed uration (including capillary fringe) ology (explain): None observed	): None observed		_		
Inundated	Saturated within Upper 12"	Water Marks	Drift Lines Sedir	ment Deposits	☐ Draina	age Patterns
OTHER (explain	1):					

Project Title: (	Calais LNG		М	<b>P</b> : 14.31	Transect: H11 Plot: Upland					
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other	plot(s) and the wetl	and flag if not on plan.					
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Plo	t Center						
Submission of	Submission of photo of plot is encouraged.									
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (co	MORPHIC	COMMENTS (USDA touture and	des constitues and the constituent a				
DEI III	HONZON	WATRIX COLOR		trast)	COMMENTS (USDA texture, nodu restrictive layers, root dis	tribution, soil water, etc)				
2-0	0									
0-2	Α	10YR 3/2	No	one	Silt loam, 5% coarse roots, 10	% fine roots				
2-16	Bs	10YR 5/4	No	one	Fine sandy loam, 5% fine root	s, 3% coarse particles				
HINDDIC COIL	INDICATOR(C)	. Nan hudria								
HYDRIC SOIL	INDICATOR(S)	: Non-nyanc			REFERENCE(S): New England Hydric Soils Te	chnical Committee. 2004.				
					3rd ed., Field Indicators for Id New England. New England	Interstate Water Pollution				
					Control Commission, Lowell,	MA.				
OPTIONAL SO	OIL DATA:				REFERENCE(S):					
Taxonomic sub	ogroup:									
Soil drainage o	Jacc.									
CONCLUSION	IS		YES	NO	REMARKS:					
Hydrophytic ve	egetation met?		<b>▼</b>		TALIM WATER.					
Hydric soils cri	terion met?			<b>V</b>						
Wetland hydro	logy met?			<b>▽</b>						
Is this data point in a wetland?			<u>~</u>							

PROJECT TITLE:	Calais LNG	<u>MP:</u> 15.34	TRANSECT:	G10	<u>PL</u> (	OT: Wetland
EVALUATOR(S):	L. L		<b>DATE:</b> July 3	30, 2008		
VEGETATION	Charies		Dominance	Percent	2014	A WALL Of CALLO
<u>Stratum</u>	Species	<u> </u>	Ratio	Dominance	DOM	NWI Status
Herbs/Seedlings	Cornus canadensis (bunchberry) Calamagrostis canadensis (bluejoint) Equisetum sylvaticum (wood horsetail) Fragaria virginiana (virginia strawberry)		38/89.5 38/89.5 10.5/89.5 3/89.5	42% 42% 12% 3%	X X	FAC- FACW+ 
	**No Other Layers – Power line Clearing					
HYDROPHYTES			NON-HYDROP	DUVTEQ	!	
	,	•				_
0 OBL	1 0 FACW FAC	*OTHER	TAC-	0 FACL	Ū	0 UPL
Hydrophytes Subtot			Non-hydrophytes Subtotal (B): 1			
	Pe	Percent Hydrophytes (100A/A+B): 50	0%			
HYDROLOGY		_				
RECORDED D	ATA					
Stream, lake of Aerial photogr Other						
<b>▼</b> NO RECORDE	D DATA					
<b>▼</b> OBSERVATION	NS:					
Depth to Satu	e Water: 9 inches uration (including capillary fringe): 0 inches ology (explain): None observed					
Inundated	Saturated within Upper 12"	Water Marks Drift Lines	es Sedi	diment Deposits	☐ Draina	nage Patterns
OTHER (explain	1):					

Project Title: (	Calais LNG		<b>MP</b> : 15.34 <b>Transect</b> : G10			Plot: Wetland				
SOIL Sketch lan	dscape position o	f this plot. Indicate relati	ve position of other	plot(s) and the wetl	and flag if not on plan.					
Wetland Plot Ce	nter ←12 feet →	Wetland Boundary ←15	feet → Upland Plo	t Center						
Submission of	Submission of photo of plot is encouraged.									
			REDOXIN							
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co		COMMENTS (USDA texture, nodules, concretions restrictive layers, root distribution, soil wa					
+4	Oi				Sphagnum					
0-4	Α	2.5Y 2.5/1	None		Silt loam with some charcoal					
4-12	Bg	2.5Y 5/2	10YR 4/6, c2d 5YR 5/1, c2d		Silty clay loam					
			311X 3/1, 02u							
HYDRIC SOIL	INDICATOR(S)	: VI			REFERENCE(S):					
					New England Hydric Soils Technical Con 3rd ed., Field Indicators for Identifying I	Hydric Soils in				
					New England. New England Interstate V Control Commission, Lowell, MA.	Nater Pollution				
OPTIONAL SC	OIL DATA:				REFERENCE(S):					
Taxonomic sub	ogroup:									
Soil drainage o	class:									
CONCLUSION	ıs									
			YES	NO	REMARKS:					
Hydrophytic ve	•		<b>V</b>		Power line – Altered Vegetation Relied on Soils					
Hydric soils cri			V							
Wetland hydro	•		<b>V</b>							
Is this data point in a wetland?										

PROJECT TITLE:	Calais LNG	<u>MP:</u> 15.34	TRANSECT:	G10	<u>Pl</u>	LOT: Upland
EVALUATOR(S):	_L.L.		DATE: July 3	30, 2008		
VEGETATION Stratum	<u>Specie</u>	<u> </u>	Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Cornus canadensis (bunchberry) Calamagrostis canadensis (bluejoint) Abies balsamea (balsam fir) Larix laricina (American larch) Spiraea alba var. latifolia (eastern meade	owsweet)	63/110 20.5/110 20.5/110 3/110 3/110	57% 19% 19% 3% 3%	X	FAC-   
HYDROPHYTES			NON-HYDROF	DUVTEQ		
	0	0				0
0 OBL	0 0 FACW FAC	0 *OTHER	1 FAC-	0 FACL	J	0 UPL
Hydrophytes Subtota	al (A): 0		Non-hydrophyt	tes Subtotal (B): 1		
		Percent Hydrophytes (100A/A+E	3): 0%			
HYDROLOGY						
RECORDED DA	ATA					
Stream, lake o Aerial photogr Other						
▼ NO RECORDE	D DATA					
<b>▼</b> OBSERVATION	NS:					
Depth to Satur	Water: > 12 inches ration (including capillary fringe): > 12 inc logy (explain): None observed	:hes				
Inundated	Saturated within Upper 12"	☐ Water Marks ☐ Drift	Lines Sedi	liment Deposits	<b>▽</b> Draina	age Patterns
OTHER (explain	ı):					

Project Title:	Calais LNG		M	<b>P:</b> 15.34	Transect: G10 Plot: Upland	
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	nter ←12 feet →	Wetland Boundary ←15	feet → Upland Plo	t Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (co cont	lor, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses, restrictive layers, root distribution, soil water, etc)	pore linings,
0 – 3	А	2.5Y 4/3	None		Silt loam	
3-7	BW1	2.5Y 5/3	None		Silt loam	
7-12	BW2	5Y 5/3	5YR 5/2, c2f 2.5YR 5/4, c2d		Silt loam Seasonal high water table at 7 inches	
HYDRIC SOIL	INDICATOR(S)	: Non-hydric			REFERENCE(S): New England Hydric Soils Technical Committee 3rd ed., Field Indicators for Identifying Hydric S New England. New England Interstate Water F Control Commission, Lowell, MA.	$Soils\ in$
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	class:					
CONCLUSION	IS		VEC	NO	DEMARKS.	
Hydrophytic ve	egetation met?		YES •	NO	REMARKS: Altered Vegetation – Relied on Soils	
Hydric soils cri	terion met?			<u>~</u>	Pit & Mound Microtopography	
Wetland hydro	logy met?			<b>~</b>	Mounds > Pits	
Is this data point in a wetland?				Power line clearing		

PROJECT TITLE:	Calais LNG <u>N</u>	<b>IP:</b> 16.40	TRANSECT:	G18	<u>PL</u> (	<b>DT</b> : Wetland
EVALUATOR(S):	L. L.		DATE: July 3	30, 2008		
VEGETATION Stratum	<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Osmunda claytoniana (interrupted fern) Aralia nudicaulis (sarsaparilla)		38/41 3/41	93 7	Χ	FAC
	Alunus incana ssp. rugosa (speckled alder) Abies balsamea (balsam fir)		38/58.5 20.5/58.5	65 35	X X	FACW+ FAC
Saplings	Abies balsamea (balsam fir)		3/3	100	Х	FAC
Trees	Thuja occidentalis (northern white cedar) Abies balsamea (balsam fir)		153.9/279.5 125.6/279.5	55 45	X X	FACW FAC
HYDROPHYTES			NON-HYDROF	PHYTES		
0	2 4 0		0	0		0
OBL	FACW FAC *OTHE	R	FAC-	FACL	J	UPL
Hydrophytes Subtota	• •			es Subtotal (B): 0		
	Percent Hy	ydrophytes (100A/A+B): 10	00%			
HYDROLOGY  RECORDED DA	ATA					
Stream, lake of Aerial photogr Other						
▼ NO RECORDE	D DATA					
<b>▼</b> OBSERVATION	NS:					
Depth to Satur	Water: < 12 inches ration (including capillary fringe): < 12 inches logy (explain): Logged area					
Inundated	Saturated within Upper 12" Water	Marks Drift Lines	s Sedi	ment Deposits	☐ Draina	age Patterns
OTHER (explain	<b>)</b> :					
Redoximorphic featu	ures to the soil surface					

Project Title:	Calais LNG		<b>MP:</b> 16.40		Transect: G18 Plot: Wetland
SOIL Sketch lar	ndscape position o	f this plot. Indicate relati	ve position of other	plot(s) and the wetl	and flag if not on plan.
Wetland Plot Ce	enter ←12 feet →	Wetland Boundary ←15	feet → Upland Plo	t Center	
Submission of	photo of plot is	encouraged.	DEDOVI	4ODDI IIO	
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC olor, abundance, size, trast)	COMMENTS (USDA texture, nodules, concretions, masses, pore linings, restrictive layers, root distribution, soil water, etc)
+3	Oe	10YR 2/1			Hemic
0-10+	Bg	5YR 5/2	5YR 5/1, c2d		Fine gravelly silt loam
HYDRIC SOIL	INDICATOR(S)	: VI			REFERENCE(S): New England Hydric Soils Technical Committee. 2004. 3rd ed., Field Indicators for Identifying Hydric Soils in New England. New England Interstate Water Pollution Control Commission, Lowell, MA.
OPTIONAL SO	OIL DATA:				REFERENCE(S):
Taxonomic sul	bgroup:				
Soil drainage of	class:				
CONCLUSION	NS		YES	NO	REMARKS:
Hydrophytic ve	egetation met?		ĭE3		Adjacent to power line,
Hydric soils cri	iterion met?		<b>~</b>		Partially logged ~ 15 yrs ago (estimate)
Wetland hydro	ology met?		<b>~</b>		
Is this data po	int in a wetland?		<b>V</b>		

PROJECT TITLE:	Calais LNG	<u>MP:</u> 16.40	TRANSECT:	G18	<u>PL</u>	OT: Upland	
EVALUATOR(S):	L. L.		DATE: July 3	30, 2008			
VEGETATION Stratum	Species		Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Acer spicatum (mountain maple)		3/3	100	Χ	FACU-	
Shrubs	Abies balsamea (balsam fir) Acer rubrum (red maple) – stump sprouts Corylus cornuta (beaked hazelnut)		38/70 20.5/70 10.5/70	54 29 15	X X	FAC FAC 	
Saplings	Abies balsamea (balsam fir)		20.5/20.5	100	Х	FAC	
Trees	Abies balsamea (balsam fir)		202.4/202.4	100	X	FAC	
HYDROPHYTES			NON-HYDROF	NINTEO			
	2	^				^	
0 OBL	0 4 FACW FAC *0	0 OTHER	0 FAC-	1 FACU	J	0 UPL	
Hydrophytes Subtot	al (A): 4		Non-hydrophytes Subtotal (B): 1				
	Pero	cent Hydrophytes (100A/A+B): 8	0%				
HYDROLOGY  RECORDED DA	A TA						
Stream, lake of Aerial photogr Other							
▼ NO RECORDE	D DATA						
<b>✓</b> OBSERVATION	NS:						
Depth to Satu	Water: > 15 inches ration (including capillary fringe): > 15 inches logy (explain): None	3					
Inundated	Saturated within Upper 12"	Water Marks Drift Line	s Sedi	iment Deposits	☐ Draina	age Patterns	
OTHER (explain	1):						

Project Title:	Calais LNG		MI	<b>P:</b> 16.40	Transect: G18 Plot: Upland					
SOIL Sketch lan	dscape position o	f this plot. Indicate relati	ve position of other	plot(s) and the wetl	and flag if not on plan.					
Wetland Plot Ce	nter ←12 feet →	Wetland Boundary ←15	feet → Upland Plo	t Center						
Submission of	Submission of photo of plot is encouraged.									
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (co	lor, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses, pore linings restrictive layers, root distribution, soil water, etc)	5,				
0-3	А	10YR 2/1			Loam					
3-8	Bw	5YR 5/3	None		Gravelly loam					
8-15	Bw2	5YR 5/3	5YR 5/2, c2f		Gravelly loam					
HYDRIC SOIL	INDICATOR(S)	: Non-Hydric			REFERENCE(S): New England Hydric Soils Technical Committee. 2004.					
					3rd ed., Field Indicators for Identifying Hydric Soils in New England. New England Interstate Water Pollution					
					Control Commission, Lowell, MA.					
OPTIONAL SO	OIL DATA:				REFERENCE(S):					
Taxonomic sub	ogroup:									
Soil drainage o	class:									
CONCLUSION	IS		\/F0	NO	DEMAN(O					
Hydrophytic ve	egetation met?		YES	NO	REMARKS: Logged ~15 yrs ago (estimate),					
Hydric soils cri	terion met?			<u>~</u>	Adjacent to Powerline					
Wetland hydro	logy met?			<b>▽</b>						
Is this data point in a wetland?			<b>~</b>							

PROJECT TITLE	: Calais LNG	<u>MP:</u> 17.76	TRANSECT:	G22	PLO	<u>)T</u> : Wetland	
EVALUATOR(S)	<u>s</u> L.L.		<b>DATE:</b> July 3	30, 2008			
VEGETATION Stratum	<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Calamagrostis canadensis (bluejoint) Glyceria canadensis (rattlesnake grass) Onoclea sensibilis (sensitive fern) Scirpus cyperinus (woolgrass)		63/97 20.5/97 10.5/97 3/97	68 21 11 3	X X	FACW+ OBL 	
Shrubs	Betula populifolia (grey birch) Abies balsamea (balsam fir) Betula alba (white birch) Alunus incana ssp. rugosa (speckled alder Spiraea alba var. latifolia (meadowsweet)	r)	38/85 3/85 3/85 38/85 3/85	45 4 4 45 4	X X	FAC   FACW+ 	
Saplings	Acer rubrum (red maple)	!	3	100	Х	FAC	
Trees	Acer rubrum (red maple)		89.4/89.4	100	Х	FAC	
HYDROPHYTES			NON-HYDROP	PHYTES			
1 OBL	2 2 FACW FAC	0 *OTHER	0 FAC-	0 FACU	ı I	0 UPL	
Hydrophytes Subto		OHEK .	Non-hydrophytes Subtotal (B): 0				
	Per	ercent Hydrophytes (100A/A+B): 10	)0%				
HYDROLOGY RECORDED D	DATA						
Stream, lake Aerial photog Other	e or tidal gage Identifications: graphy Identifications: Identifications:						
▼ NO RECORDE	ED DATA						
<b>▼</b> OBSERVATIO	INS:						
Depth to Satu	ee Water: +2 inches turation (including capillary fringe): N/A (inunc rology (explain): None observed	dated)					
Inundated	Saturated within Upper 12"	Water Marks Drift Lines	es Sedi	diment Deposits	☐ Draina	nage Patterns	
OTHER (explai	in):						

Project Title:	Calais LNG		М	<b>P:</b> 17.76	Transect: G22	Plot: Wetland			
SOIL Sketch lar	ndscape position o	of this plot. Indicate relati	ve position of other	plot(s) and the wetl	and flag if not on plan.				
Wetland Plot Ce	enter $\leftarrow$ 8 feet $\rightarrow$ \	Wetland Boundary ←6 fe	eet → Upland Plot 0	Center					
Submission of photo of plot is encouraged.									
				MORPHIC	001445450				
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	olor, abundance, size, rast)	COMMENTS (USDA texture, nodules, concre restrictive layers, root distribution, so	etions, masses, pore linings, pil water, etc)			
0-3	А	2.5Y 3/2	None		Silt loam				
3-8+	Bg	5YR 5/1	5YR 5/4 Along I	Root Channels	Silt clay loam				
HYDRIC SOIL	INDICATOR(S)	: VI			REFERENCE(S): New England Hydric Soils Technical 3rd ed., Field Indicators for Identifyi. New England. New England Intersta Control Commission, Lowell, MA.	ng Hydric Soils in			
OPTIONAL SO	OIL DATA:				REFERENCE(S):				
Taxonomic su	bgroup:								
Soil drainage	class:								
CONCLUSION	NS		YES	NO	DEMADKS:				
Hydrophytic ve	egetation met?		YES	NO	REMARKS:				
Hydric soils cr	iterion met?		<b>~</b>						
Wetland hydro	ology met?		<u>~</u>						
Is this data po	int in a wetland?		<b>~</b>						

PROJECT TITLE	: Calais LNG	<u>MP:</u> 17.76		TRANSECT:	G22	PLO1	<u>r</u> : Upland
EVALUATOR(S):	L.L.			DATE: July 3	30, 2008		
VEGETATION Stratum	Spec	<u>cies</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Gymnocarpium dryopteris (oak fern) Aralia nudicaulis (wild sarsaparilla) Corylus cornuta (beaked hazel-nut) Abies balsamea (balsam fir)			10.5/34.5 10.5/34.5 10.5/34.5 3/34.5	30 30 30 9	X X X	UPL FACU FACU- 
Shrubs	Corylus cornuta (beaked hazel-nut) Picea glauca (white spruce) Abies balsamea (balsam fir)			38/44 3/44 3/44	86 2 2	Х	FACU-  
Saplings	Acer rubrum (red maple) Populus tremuloides (quaking aspen)			38/41 3/41	93 7	X	FAC 
Trees	Abies balsamea (balsam fir) Acer rubrum (red maple) Populus tremuloides (quaking aspen) Betula alleghaniensis (yellow birch) Betula populifolia (gray birch)			241/511.1 172/511.1 50.2/511.1 28.3/511.1 19.6/511.1	47 34 10 6 4	X X	FAC FAC  
HYDROPHYTES				NON-HYDROP	PHYTES		
0 OBL	0 3 FACW FAC	0 *OTHER		0 FAC-	3 FACU	I	1 UPL
Hydrophytes Subtot		OTHER	Non-hydrophytes Subtotal (B): 4				
		Percent Hydrophytes (10	00A/A+B): 43	3%			
HYDROLOGY RECORDED D							
Stream, lake Aerial photog Other							
▼ NO RECORDE	D DATA						
✓ OBSERVATIOI	NS:						
Depth to Satu	e Water: > 15 inches rration (including capillary fringe): Not ob logy (explain): N/A	oserved					
Inundated	Saturated within Upper 12"	Water Marks	Drift Lines	s 🔲 Sedi	ment Deposits	☐ Draina	age Patterns
OTHER (explain	n):						

Project Title:	Calais LNG		MF	<b>P:</b> 17.76	Transect: G22	Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other p	olot(s) and the wetla	and flag if not on plan.	
Wetland Plot Ce	nter ←8 feet → V	Vetland Boundary ←6 fe	et → Upland Plot C	enter		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (col contr	or, abundance, size,	COMMENTS (USDA texture, nodules, concretic restrictive layers, root distribution, soil	ons, masses, pore linings, water, etc)
0-10	Ар	10YR 4/2	None		Very gravelly loam	
10-15	Bw	2.5YR 5/4	None		Gravelly loam	
HAUDIC GUII	INDICATOR(S)	· Non hydrio			REFERENCE(S):	
HTDRIC SOIL	INDICATOR(3)	. Non-nyunc			New England Hydric Soils Technical C 3rd ed., Field Indicators for Identifying New England. New England Interstate Control Commission, Lowell, MA.	g Hydric Soils in
OPTIONAL SC	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	class:					
CONCLUSION	IS		\/F0	NO	DEMARKS.	
Hydrophytic ve	egetation met?		YES	NO V	REMARKS:	
Hydric soils cri	terion met?			<b>~</b>		
Wetland hydro	logy met?			<u>~</u>		
Is this data poi	nt in a wetland?			<b>~</b>		

PROJECT TITLE	Calais LNG	<u>MP:</u> 18.26		TRANSECT:	G28 <u></u>	PLOT: Wetla	nd
EVALUATOR(S):	L. L.			DATE: July 2	29, 2008		
VEGETATION Stratum	<u>Species</u>	<u> </u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Calamagrostis canadensis (bluejoint) Carex scoparia (broom sedge) Solidago patula (rough-leaf golden-rod) Equisetum sylvaticum (woodland horseta Scirpus georgianus (dark green bullrush) Osmunda regalis (royal fern)			68/125.5 38/125.5 10.5/125.5 3/125.5 3/125.5 3/125.5	54 30 8 2 2 2	X	FACW+ FACW   
Shrubs	Spiraea alba var. latifolia (eastern meado Larix laricina (american larch) Betula populifolia (gray birch) Picea glauca (white spruce)	wsweet)		38/54.5 10.5/54.5 3/54.5 3/54.5	70 19 6 6	X	FAC+   
HYDROPHYTES				NON-HYDROP	HYTES		
0	2 1	0	_	0	0		0
OBL	FACW FAC	*OTHER	FAC- FACU UPL				
Hydrophytes Subtot		proper Undrophytop (10	104/4.D\- 10		es Subtotal (B): 0		
	Pe	ercent Hydrophytes (10	JUA/A+B). 10	U%			
HYDROLOGY  RECORDED D	ATA						
Stream, lake of Aerial photogo Other							
▼ NO RECORDE	D DATA						
<b>▼</b> OBSERVATION	NS:						
Depth to Satu	Water: 0 inches (at surface) ration (including capillary fringe): N/A logy (explain): None observed						
Inundated	Saturated within Upper 12"	Water Marks	Drift Lines	s Sedi	ment Deposits	☐ Draina	age Patterns
▼ OTHER (explain	n):						
Oxidized rhizospher	es to soil surface						

Project Title:	Calais LNG		<b>MP</b> : 18	3.26	Transect: G28	Plot: Wetland
SOIL Sketch lar	ndscape position of	of this plot. Indicate relati	ve position of other plot(s	s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	enter ←15 feet →	Wetland Boundary ←12	2 feet → Upland Plot Cer	nter		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIMOR FEATURES (color, ab contrast)		COMMENTS (USDA texture, no restrictive layers, root o	odules, concretions, masses, pore linings, distribution, soil water, etc)
0-2	А	2.5Y 3/2	Oxidized rhizosphere	es	Silt loam	
2-5	Bg	5Y 4/1	5YR 5/1, c2f 10YR 4/6, mzp		Gravelly silt loam	
5-15	Bg	5Y 5/3	5YR 5/1, c2f 10YR 4/6, mzp		Silt loam	
HYDRIC SOIL	. INDICATOR(S)	):VI			REFERENCE(S):	
					New England Hydric Soils 7 3rd ed., Field Indicators for New England. New England Control Commission, Lowel	Identifying Hydric Soils in d Interstate Water Pollution
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic su	bgroup:					
Soil drainage	class:					
CONCLUSIO	NS		VEO :::		DEMARKO.	
Hydrophytic ve	egetation met?		YES NO		REMARKS: Note on powerline right-of-w	ay
Hydric soils criterion met?		<b>V</b>				
Wetland hydrology met?			<b>~</b>			
Is this data po	int in a wetland?		<b>V</b>			

PROJECT TITLE	Calais LNG	<u>MP:</u> 18.25	TRANSECT:	G28	PI	<b>LOT</b> : Upland	
EVALUATOR(S):	<u></u> L. L., L.N.		<b>DATE</b> : July 2	29, 2008			
VEGETATION Stratum	<u>Species</u>	;	Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Calamagrostis canadensis (bluejoint) Vaccinium angustifolium (lowbush blueben Abies balsamea (balsam fir) Comus canadensis (canada bunchberry) Potentilla simplex (common cinquefoil) Gaultheria procumbens (wintergreen)) Hieracium pretense (field hawkweed) Solidago sp. (grass-leaf goldenrod) Solidago patula (rough-leaf golden-rod)	ry)	38/109.5 20.5/109.5 10.5/109.5 10.5/109.5 10.5/109.5 10.5/109.5 3/109.5 3/109.5 3/109.5	35 19 10 10 10 10 3 3 3	X	FACW+ FACU	
Shrubs	Larix laricina (American larch) Spiraea alba var. latifolia (eastern meadow Betula populifolia (gray birch)	/sweet)	38/79 20.5/79 20.5/79	48 26 26	X X X	FACW FAC+ FAC	
HYDROPHYTES			NON-HYDROP	HYTES			
0 OBL	2 2 FACW FAC	0 *OTHER	0 FAC-	1 FACU	J	0 UPL	
Hydrophytes Subtot	• •		Non-hydrophytes Subtotal (B): 1				
		ercent Hydrophytes (100A/A+B): 80	<u>J%</u>				
HYDROLOGY RECORDED D	)ATA						
Stream, lake Aerial photog Other							
<b>▼</b> NO RECORDE	ED DATA						
☐ OBSERVATIO	NS:						
Depth to Satu	e Water: Not observed uration (including capillary fringe): Not observology (explain): N/A	ved					
Inundated	Saturated within Upper 12"	Water Marks Drift Lines	es Sedi	liment Deposits	☐ Draina	nage Patterns	
OTHER (explain	n):						

Project Title:	Calais LNG		MF	<b>P:</b> 18.25	Transect: G28	Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other p	olot(s) and the wetla	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Plot	Center		
Submission of	photo of plot is	encouraged.				
			REDOXIM		0014151170	
DEPTH	HORIZON	MATRIX COLOR	FEATURES (col	lor, abundance, size, ast)	COMMENTS (USDA texture, nodules, concre restrictive layers, root distribution, so	etions, masses, pore linings, oil water, etc)
0-5	Α	10YR 3/2			Fine sandy loam	
5-12	Bw	10YR 5/4	2.5YR 5 comi 10YR 4	mon	Silt loam	
12+	Cd	2.5Y 5/4	2.5YF conc: 10YI		Silt loan; firm; platy	
HYDRIC SOIL	INDICATOR(S)	: Non-Hydric			REFERENCE(S):	
	,	,			New England Hydric Soils Technical 3rd ed., Field Indicators for Identifyin New England. New England Intersta Control Commission, Lowell, MA.	ng Hydric Soils in
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:				•	
Soil drainage of	class:					
CONCLUSION	IS					
Hydrophytic ve	egetation met?		YES	NO	REMARKS: In power line (ATV use).	
Hydric soils cri	terion met?					
Wetland hydro	logy met?		П			
Is this data poi	nt in a wetland?					

PROJECT TITLE: Calais LNG		<u>MP:</u> 19.87		TRANSECT:	G34 <u>PLOT</u> : Wetland		<u>T</u> : Wetland
EVALUATOR(S):	. L. L.			DATE: July 2	<u>'</u> 9, 2008		
VEGETATION Stratum	Spec	<u>cies</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Glyceria striata (fowl manna grass) Chloris crinite (false-rhodesgrass) Calamagrostis canadensis (bluejoint)			38/79 20.5/79 20.5/79	48 26 26	X X X	OBL NI FACW+
Shrubs	Abies balsamea (balsam fir) Alunus incana ssp. rugosa (speckled a	alder)		38/58.5 20.5/58.5	65 35	X X	FAC FACW+
Saplings	Acer rubrum (red maple) Abies balsamea (balsam fir)			10.5/21 10.5/21	50 50	X X	FAC FAC
Trees	Abies balsamea (balsam fir) Acer rubrum (red maple)			160.2/249.6 89.4/249.6	64 36	X X	FAC FAC
HYDROPHYTES		NON-HYDROP	HYTES				
1	2 5	1		0	0		0
OBL	FACW FAC	*OTHER	-	FAC-	FACL	J	UPL
Hydrophytes Subtot	tal (A): 9			Non-hydrophyte	es Subtotal (B): 0		
		Percent Hydrophytes (100	JA/A+B): 10 <sup>6</sup>	0%			
HYDROLOGY							
RECORDED D							
Stream, lake of Aerial photogory Other							
▼ NO RECORDE	ED DATA						
<b>▼</b> OBSERVATION	NS:						
Depth to Satu	e Water: Surface uration (including capillary fringe): N/A ology (explain): None observed						
<b>▽</b> Inundated	Saturated within Upper 12"	<b>✓</b> Water Marks <b></b>	Drift Lines	s Sedi	iment Deposits	<b>✓</b> Draina	age Patterns
OTHER (explain	n):						

Project Title: Calais LNG			M	<b>P:</b> 19.87	Transect: G34	Plot: Wetland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Plo	t Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (co cont	lor, abundance, size,	COMMENTS (USDA texture, nodules, concreti restrictive layers, root distribution, soil	ons, masses, pore linings, water, etc)
+4 – 0	Oa	10YR 3/1			Sapric	
0 - 8	Bg	2.5YR 6/2	2.5YR 6	6/1, c2d	Loam	
HYDRIC SOIL	INDICATOR(S)	: V			REFERENCE(S):	2
					New England Hydric Soils Technical O 3rd ed., <i>Field Indicators for Identifyin,</i> <i>New England</i> . New England Interstat Control Commission, Lowell, MA.	g Hydric Soils in
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	class:					
CONCLUSION	IS					
Hydrophytic ve	egetation met?		YES	NO	REMARKS: Area has been recently logged	
Hydric soils criterion met?		<b>▽</b>				
Wetland hydro	logy met?		<b>~</b>			
Is this data poi	nt in a wetland?		<b>~</b>			

PROJECT TITLE:	TLE: Calais LNG MP: 19.88 TRANSECT: G34 PLOT: Upl					<b>OT</b> : Upland
EVALUATOR(S):	_L. L., L.N.		DATE: July 2	29, 2008		
VEGETATION Stratum	Species		Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Hieracium pratense (field hawkweed) Aralia nudicaulis (wild sarsaparilla) Alunus incana ssp. rugosa (speckled alder)		63/86.5 20.5/86.5 3/86.5	73 24 3	X X	UPL FACU 
Shrubs	Populus tremuloides (quaking aspen) Betula alba (white birch) Alunus incana ssp. rugosa (speckled alder)		20.5/26.5 3/26.5 3/26.5	77 11 11	Х	FACU  
Saplings	Betula alba (white birch)		3/3	100	Х	FAC+
Trees	Unknown tree Picea rubens (red spruce) Acer rubrum (red maple) Populus tremuloides (quaking aspen) Abies balsamea (balsam fir) Tsuga canadensis (eastern hemlock)		38.5/145.2 28.3/145.2 19.6/145.2 19.6/145.2 19.6/145.2 19.6/145.2	27 19 13 13 13 13	X	NI   
HYDROPHYTES			NON-HYDROP	'HYTES		
0	0 0	1	0	2		1
OBL	FACW FAC *C	OTHER	FAC-	FACL	J	UPL
Hydrophytes Subtota	• •	cent Hydrophytes (100A/A+B): 25		es Subtotal (B): 3		
	. 5.0	entriyaropriyas (1007.07.5.5).	370			
HYDROLOGY  RECORDED DA	ATA					
Stream, lake o Aerial photogr Other						
▼ NO RECORDE	D DATA					
☐ OBSERVATION	NS:					
Depth to Satu	Water: None observed ration (including capillary fringe): None observed (explain): None observed	ved				
Inundated	Saturated within Upper 12"	Water Marks	Sedi	iment Deposits	☐ Draina	age Patterns
OTHER (explain	ı):					

Project Title:	Calais LNG		MI	<b>P:</b> 19.88	Transect: G34 Plot: U	Jpland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetle	and flag if not on plan.	
Wetland Plot Ce	nter ←15 feet →	Wetland Boundary ←15	feet → Upland Plo	t Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (co contr	lor, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses, por restrictive layers, root distribution, soil water, etc)	e linings,
0-5	Ар	10YR 3/2			Very gravelly sandy loam	
5-10	В	2.5Y 5/3			Extremely gravelly sandy loam	
11) (DD10 0011	INIDIO A TOD (O)					
HYDRIC SOIL	INDICATOR(S)	:Non-hydric			REFERENCE(S): New England Hydric Soils Technical Committee. 3rd ed., Field Indicators for Identifying Hydric So. New England. New England Interstate Water Pol Control Commission, Lowell, MA.	$ils\ in$
OPTIONAL SC	η ΠΔΤΔ·				REFERENCE(S):	
Taxonomic sub					NEI ENEROE(O).	
Soil drainage o	lass:					
CONCLUSION	IS		YES	NO	REMARKS:	
Hydrophytic ve	getation met?			NO .	Possible Old Fill	
Hydric soils cri	terion met?			<b>▽</b>		
Wetland hydro	logy met?			<b>~</b>		
Is this data poi	nt in a wetland?			<b>~</b>		

PROJECT TITLE	: Calais LNG	<u>MP:</u> 0.5	TRANSECT:	W-9D	PLOT: We	etland			
EVALUATOR(S):	W.S.M.		DATE: May 2	2, 2009					
VEGETATION Stratum	<u> </u>	Species	Dominance Ratio	Percent Dominance	DOM	NWI Status			
Moss	Sphagnum sp. (Sphagnum moss)	1	98/98	100	Х	OBL			
Herbs/Seedlings	Carex trisperma (three-seeded sec Vaccinium oxycoccos (small cranbe Cornus Canadensis (bunchberry)		85/116.5 20.5/116.5 10.5/116.5	73 18 9	X	OBL  			
Shrubs	Abies balsamea (balsam fir) Kalmia angustifolia (sheep laurel) Picea rubens (red spruce)*		38/79 20.5/79 20.5/79	48 26 26	X X X	FAC FAC FACU*			
Sapling	Picea rubens (red spruce)* Abies balsamea (balsam fir)		38/76 38/76	50 50	X X	FACU* FAC			
Trees	Picea rubens (red spruce)* Abies balsamea (balsam fir) Thuja occidentalis (northern white o	cedar)	412/657 133/657 112/657	63 20 17	X X	FACU* FAC 			
::::::::::::::::::::::::::::::::::::::	* exhibited raised root morphology		.:2:						
HYDROPHYTES			NON-HYDROP						
2 OBL	0 4 FACW FAC	3 *OTHER	0 FAC-	0 FACL	(I	0 UPL			
Hydrophytes Subtot		···-		tes Subtotal (B): 0	•	<b>5</b> . –			
		Percent Hydrophytes (100A/A+B): 8/8 =	= 100%						
HYDROLOGY									
RECORDED D	ATA								
Stream, lake of Aerial photogo Other									
▼ NO RECORDE	ED DATA								
☐ OBSERVATION	NS:								
Depth to Satu	Depth to Free Water: 1 inch Depth to Saturation (including capillary fringe): 0 inches – saturated at surface Altered Hydrology (explain): None Observed								
Inundated	Saturated within Upper 12"	Water Marks Drift Lines	s Sed	liment Deposits	☐ Drain	age Patterns			
OTHER (explain	n):								

Project Title:	Calais LNG		M	<b>P:</b> 0.5	Transect: W-9D	Plot: Wetland
SOIL Sketch lan	dscape position o	of this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	enter ←30 feet →	Wetland Boundary ←30	feet → Upland Plo	t Center		
Submission of	photo of plot is e	encouraged.	755 01///		·	
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC olor, abundance, size, trast)	COMMENTS (USDA texture, nodules, concreti restrictive layers, root distribution, soil	ons, masses, pore linings, water, etc)
0-1	A	10YR 2/1	None		Silt loam; mucky; many fine roots; saturated; <i>Spha sp.</i> above	
1-24+	В	5Y 6/2	10YR 5/6; medium, common, prominent		Clay loam/clay; slightly gritty; few fine r	oots; saturated
HYDRIC SOIL	INDICATOR(S)	: VI – Depleted or Gle	yed Matrix		REFERENCE(S): New England Hydric Soils Technical Comm Field Indicators for Identifying Hydric Soils England Interstate Water Pollution Control (MA.	in New England. New
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	class: Poorly drai	ined				
CONCLUSION	IS		\/T0			
Hydrophytic ve	getation met?		YES NO □		REMARKS:	
Hydric soils criterion met?						
Wetland hydrology met?			<b>~</b>			
Is this data poi	nt in a wetland?		▼ □			

PROJECT TITLE:	: Calais LNG	<u>MP:</u> 0.5	TRANSECT: W-9D			PLOT: Upland	
EVALUATOR(S):	_W.S.M.			DATE: May 2	2, 2009		
VEGETATION Stratum	<u> </u>	Species .		Dominance Ratio	Percent Dominance	DOM	NWI Status
Mosses	Hylocomium splendens (splendid Polytrichum sp. (Polytrichum moss			63/73.5 10.5/73.5	86 14	Х	NI 
Herbs/Seedlings	None						
Shrubs	Abies balsamea (balsam fir)			10.5/10.5	100	х	FAC
Sapling	Abies balsamea (balsam fir)			63/63	100	X	FAC
Trees	Abies balsamea (balsam fir) Picea rubens (red spruce) Thuja occidentalis (northern white	cedar)		468/661 150/661 43/661	71 23 7	X X	FAC FACU 
HYDROPHYTES				NON-HYDROP	'HYTES		
0	0 3	0	,	0	1		0
OBL	FACW FAC	*OTHER		FAC-	FACI	J	UPL
Hydrophytes Subtot	al (A): 3			Non-hydrophyte	es Subtotal (B): 1		
		Percent Hydrophytes (10	0A/A+B): 3/4	= 75%			
HYDROLOGY							
RECORDED D	ATA						
Stream, lake of Aerial photogo Other	or tidal gage Identifications: raphy Identifications: Identifications:						
▼ NO RECORDE	ED DATA						
<b>▼</b> OBSERVATION	NS:						
Depth to Satu	e Water: > 20 inches uration (including capillary fringe): > ology (explain): None Observed	20 inches					
Inundated	Saturated within Upper 12"	Water Marks	Drift Lines	s Sedi	iment Deposits	☐ Draina	age Patterns
OTHER (explain	1):						

Project Title:	Calais LNG		M	<b>P:</b> 0.5	Transect: W-9D	Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	enter ←30 feet →	Wetland Boundary ←30	feet → Upland Plo	t Center		
Submission of	photo of plot is e	encouraged.	<del></del>		-	
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (co cont		COMMENTS (USDA texture, nodules, conc restrictive layers, root distribution,	cretions, masses, pore linings, soil water, etc)
3 – 0	Oi				Organic material; fibric; needles, twiç	gs, and surface roots
0 – 2	Α	10YR 2/1	No	ne	Loam; common medium roots; many coarse sand approx. 10%	fine roots; gritty –
2 – 4	B1	2.5Y 4/2	No	ne	Sandy loam; rocky/pebbly with 1-4 in medium roots	nch rocks; common
4 – 20	B2	10YR 4/6	No	ne	Loamy sand; few roots; rocky	
HYDRIC SOIL	INDICATOR(S):	: Non-hydric			REFERENCE(S): New England Hydric Soils Technical Co- Field Indicators for Identifying Hydric So England Interstate Water Pollution Contr MA.	oils in New England. New
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage of	class: Poorly drai	ined				
CONCLUSION	IS		\/F0	NO	DEMARKO	
Hydrophytic ve	egetation met?		YES <b>▽</b>	NO	REMARKS:	
Hydric soils cri	terion met?			<b>~</b>		
Wetland hydro	logy met?			<b>~</b>		
Is this data poi	nt in a wetland?			<b>V</b>		

PROJECT TITLE	: Calais LNG MP: 1.45	TRANSECT:	W-25	<u>PLOT</u> : We	tland
EVALUATOR(S):	_ W.S.M.	<b>DATE</b> : May	1, 2009		
VEGETATION Stratum	<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Maianthemum canadense (Canada mayflower) Abies balsamea (balsam fir) Thuja occidentalis (northern white cedar)	10/16.5 3/16.5 3/16.5	64 18 18	Х	FAC-  
Shrubs	Abies balsamea (balsam fir)	10.5/10.5	100	Х	FAC
Saplings	Abies balsamea (balsam fir) Acer rubrum (red maple)	20.5/41 20.5/41	50 50	X X	FAC FAC
Trees	Acer rubrum (red maple) Abies balsamea (balsam fir) Populus grandidentata (bigtooth aspen) Picea rubens (red spruce)	699/971 102/971 95/971 75/971	72 10 10 8	Х	FAC  
HYDROPHYTES		NON-HYDRO	PHYTES		
	4 0	1	0		0
OBL	FACW FAC *OTHER	FAC-	FAC	J	UPL
Hydrophytes Subto	ral (A): 6  Percent Hydrophytes (100A/A+B): 4		tes Subtotal (B): 0		
HYDROLOGY					
☐ RECORDED D					
Stream, lake Aerial photog Other					
▼ NO RECORDE	ED DATA				
<b>▼</b> OBSERVATIO	NS:				
Depth to Satu	Water: 0 inches; ponded 1 inch at pit location uration (including capillary fringe): 0 inches, saturated at surface ology (explain): None Observed				
✓ Inundated	Saturated within Upper 12" Water Marks Drift L	ines Sec	liment Deposits	☐ Drain	age Patterns
OTHER (explain	n): Water stained leaves				

Project Title:	Calais LNG		М	<b>P:</b> 1.45	Transect: W-25	Plot: Wetland
SOIL Sketch lar	ndscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	enter ←20 feet →	Wetland Boundary ←25	feet → Upland Plo	ot Center		
Submission of	photo of plot is e	encouraged.			·	
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC blor, abundance, size, trast)	COMMENTS (USDA texture, nodules, cor restrictive layers, root distribution	cretions, masses, pore linings, , soil water, etc)
0 – 9	A	2.5Y 3/3	No	one	Sandy loam; common fine roots; sat coarse sand	turated; very gritty –
8 – 18	В	5Y 6/1		any, medium, ninant	Sandy clay loam; saturated; oxidize inches	d rhizospheres at 9
> 18	Bedrock				Rock refusal	
HADDIC COII	INDICATOR(C)	: VI – Depleted or Gle	and Matrix		DECEDENCE/O):	
HYDRIC SOIL	INDICATOR(5)	: VI – Depleted of Gle	yed Matrix		REFERENCE(S): New England Hydric Soils Technical Co Field Indicators for Identifying Hydric S England Interstate Water Pollution Cont MA.	Soils in New England. New
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sul	bgroup:					
Soil drainage of	class:					
CONCLUSION	NS .		\/F0	NO	DEMARKO.	
Hydrophytic ve	egetation met?		YES •	NO	REMARKS:	
Hydric soils cri	terion met?		<b>~</b>			
Wetland hydro	logy met?		<b>V</b>			
Is this data poi	int in a wetland?		<u>~</u>			

PROJECT TITLE	Calais LNG <u>MP:</u> 1.45	TRANSECT:	W-25	PLOT: Upl	and
EVALUATOR(S):	_ W.S.M.	DATE: May 1	, 2009		
VEGETATION Stratum	<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	Maianthemum canadense (Canada mayflower) Cornus canadensis (bunchberry) Pyrola americana (American wintergreen) Pteridium aquilinum (bracken fern)	10.5/19.5 3/19.5 3/19.5 3/19.5	54 15 15 15	Х	FAC-  
Shrubs	Abies balsamea (balsam fir) Acer rubrum (red maple)	10.5/21 10.5/21	50 50	X X	FAC FAC
Saplings	Abies balsamea (balsam fir)	63/63	100	Χ	FAC
Trees	Acer rubrum (red maple) Larix Iaricina (tamarack)	137/248 111/248	55 45	X X	FAC FACW
LIVERORINTES		NONLINGEROR	INTEO		
HYDROPHYTES		NON-HYDROP	HYTES		
0 OBL	$egin{array}{cccc} & 1 & 4 & 0 \ & & & & & & & & & & & & & & & & &$	1 FAC-	0 FACU	I	0 UPL
Hydrophytes Subtot		Non-hydrophyte	es Subtotal (B): 1		
HYDROLOGY  RECORDED D	ATA				
Stream, lake Aerial photog Other					
▼ NO RECORDE	D DATA				
<b>▼</b> OBSERVATIO	NS:				
Depth to Satu	Water: > 16 inches ration (including capillary fringe): > 16 inches logy (explain): None Observed				
Inundated	Saturated within Upper 12" Water Marks Drift Lines	s Sedi	ment Deposits	☐ Draina	age Patterns
OTHER (explain	n):				

Project Title:	Calais LNG		<b>MP:</b> 1.45	Transect: W-25	Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other plot(s) and the	wetland flag if not on plan.	
Wetland Plot Ce	enter ←20 feet →	Wetland Boundary ←25	feet → Upland Plot Center		
Submission of	photo of plot is	encouraged.			
DEPTH	HORIZON	MATRIX COLOR	REDOXIMORPHIC FEATURES (color, abundance, siz contrast)	ze, COMMENTS (USDA texture, nodules, c restrictive layers, root distributi	oncretions, masses, pore linings, on, soil water, etc)
1 – 0	Oi			Fibric; needles, leaves and coarse	woody debris
1 – 6	А	10YR 2/2	None	Loam; common fine roots; moist; coarse sand	gritty with approx. 10%
6 – 16	В	10YR 4/4	None	Loamy sand; very moist; few medi	um roots
> 16	Bedrock			Rock refusal	
HYDRIC SOIL	INDICATOR(S)	: Non-hydric		REFERENCE(S): New England Hydric Soils Technical of Field Indicators for Identifying Hydric England Interstate Water Pollution Co MA.	Soils in New England. New
OPTIONAL SO	DIL DATA:			REFERENCE(S):	
Taxonomic sub	ogroup:				
Soil drainage of	class:				
CONCLUSION	IS		VEC NO	DEMARKS.	
Hydrophytic ve	egetation met?		YES NO	REMARKS:	
Hydric soils cri	terion met?				
Wetland hydro	logy met?				
Is this data poi	nt in a wetland?				

PROJECT TITLE:	Calais LNG	<u>MP:</u> 2.1		TRANSECT:	W-19	PLOT: We	tland
EVALUATOR(S):	_ W.S.M.			DATE: April	30, 2009		
VEGETATION Stratum	<u> </u>	<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Mosses	Sphagnum sp. (Sphagnum moss) Hylocomium splendens (splendid			63/66 3/66	95 5	X	OBL 
Herbs/Seedlings	Carex trisperma (three-seeded se Coptis trifolia (gold thread)	edge)		63/66 3/66	95 5	X	OBL 
Shrubs	Abies balsamea (balsam fir)			38/38	100	Х	FAC
Sapling	Abies balsamea (balsam fir) Acer rubrum (red maple)			38/48.5 10.5/48.5	78 22	X X	FAC FAC
Trees	Thuja occidentalis (northern white Acer rubrum (red maple) Abies balsamea (balsam fir)	e cedar)		846/1119 188/1119 558.5/790.9	76 17 8	Х	FACW  
HYDROPHYTES				NON-HYDROP	PHYTES		
2	1 3	0	_	0	0		0
OBL	FACW FAC	*OTHER		FAC-	FACL	J	UPL
Hydrophytes Subtot	al (A): 6				es Subtotal (B): 0		
		Percent Hydrophytes (100A	A/A+B): 6/6 =	100%			
HYDROLOGY							
RECORDED D							
Stream, lake of Aerial photogr Other							
▼ NO RECORDE	D DATA						
<b>▼</b> OBSERVATION	NS:						
Depth to Satu	Water: 1 inch ration (including capillary fringe): 0 logy (explain): None Observed	inches, saturated at surface					
Inundated	Saturated within Upper 12"	Water Marks	Drift Lines	s Sedi	ment Deposits	☐ Draina	age Patterns
OTHER (explain	ı):						

Project Title:	Calais LNG		MP	2: 2.1	Transect: W-19	Plot: Wetland
SOIL Sketch lan	ndscape position o	of this plot. Indicate relative	ve position of other p	lot(s) and the wetla	and flag if not on plan.	
Wetland Plot Ce	enter ←30 feet →	Wetland Boundary ←14	feet → Upland Plot	Center		
Submission of	photo of plot is	encouraged.			·	
DEPTH	HORIZON	MATRIX COLOR	REDOXIM FEATURES (cold contra	or, abundance, size,	COMMENTS (USDA texture, nodules, corestrictive layers, root distribution	oncretions, masses, pore linings, on, soil water, etc)
0 – 29	0	[10YR 2/2]			Organic muck; slightly to mostly de and bark; saturated	ecomposed leaves; twigs
29+	Bedrock				Rock refusal	
HYDRIC SOIL	. INDICATOR(S)	: III - Histosol			REFERENCE(S): New England Hydric Soils Technical Of Field Indicators for Identifying Hydric England Interstate Water Pollution CommA.	Soils in New England. New
OPTIONAL SC	OIL DATA:				REFERENCE(S):	
Taxonomic sub	bgroup:					
Soil drainage o	class: Very poorl	y drained				
CONCLUSION	18		VEO	NO	DEMARKO.	
Hydrophytic ve	egetation met?		YES	NO 🗆	REMARKS:	
Hydric soils cri	iterion met?		<b>~</b>			
Wetland hydro	logy met?		<b>~</b>			
Is this data poi	int in a wetland?		<b>~</b>			

PROJECT TITLE:	: Calais LNG MP: 2.1	TRANSECT:	W-19	PLOT: Upl	land
EVALUATOR(S):	_ W.S.M.	DATE: April 3	30, 2009		
VEGETATION Stratum	<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	None			'	
Mosses	Scattered				
Shrubs	Abies balsamea (balsam fir) Thuja occidentalis (northern white cedar) Picea rubens (red spruce)	38/59 10.5/59 10.5/59	64 18 18	Х	FAC  
Sapling	Abies balsamea (balsam fir) Thuja occidentalis (northern white cedar) Betula papyrifera (paper birch)	85.5/106.5 10.5/106.5 10.5/106.5	80 10 10	х	FAC  
Trees	Acer rubrum (red maple) Abies balsamea (balsam fir) Picea rubens (red spruce)	369/506 77/506 59/506	73 15 12	Х	FAC  
HYDROPHYTES		NON-HYDROP	PHYTES		
0	0 3 0	0	0		0
OBL	FACW FAC *OTHER	FAC-	FACI	J	UPL
Hydrophytes Subtot	al (A): 3	Non-hydrophytes Subtotal (B): 0			
	Percent Hydrophytes (100A/A+B): 3/3 =	= 100%			
HYDROLOGY					
RECORDED D	ATA				
Stream, lake of Aerial photogory					
▼ NO RECORDE	D DATA				
<b>▼</b> OBSERVATION	NS:				
Depth to Satu	e Water: > 14 inches; none observed uration (including capillary fringe): > 14 inches ology (explain): None Observed				
Inundated	Saturated within Upper 12" Water Marks Drift Lines	s Sedi	liment Deposits	☐ Draina	age Pattems
OTHER (ex plair	1):				

Project Title:	Calais LNG		<b>MP:</b> 2.1	Transect: W-19	Plot: Upland
SOIL Sketch lan	ndscape position o	f this plot. Indicate relative	e position of other plot(s) and the	ne wetland flag if not on plan.	
Wetland Plot Ce	enter ←30 feet →	Wetland Boundary ←14	feet → Upland Plot Center		
Submission of	photo of plot is	encouraged.			
			REDOXIMORPHIC		
DEPTH	HORIZON	MATRIX COLOR	FEATURES (color, abundance, contrast)	size, COMMENTS (USDA texture, nodules, restrictive layers, root distribut	concretions, masses, pore linings, tion, soil water, etc)
1 – 0	Oi			Fibric; needles, leaved, twigs	
0 – 4	А	10YR 2/1	None	Loam; moist; common fine roots;	friable
4 – 6	Е	10YR 6/1	None	Loamy sand; common fine roots;	moist
6 – 14	Bs	7.5YR 4/6	None	Loamy coarse sand; few roots	
>14	Bedrock			Rock refusal	
HYDRIC SOIL	INDICATOR(S)	: Non-hydric		REFERENCE(S): New England Hydric Soils Technical Field Indicators for Identifying Hydri England Interstate Water Pollution Co MA.	c Soils in New England. New
OPTIONAL SC	OIL DATA:			REFERENCE(S):	
Taxonomic sub	bgroup:				
Soil drainage o	class:				
CONCLUSION	NS		YES NO	REMARKS:	
Hydrophytic ve	egetation met?		V NO	NEIVIANNO.	
Hydric soils cri	terion met?				
Wetland hydro	logy met?				
Is this data poi	int in a wetland?				

PROJECT TITLE	: Calais LNG	<u>MP:</u> 3.35	TRANSECT:	W-24C	<u>PLOT</u> : W	/etland
EVALUATOR(S):	_ W.S.M.		DATE: May	4, 2009		
VEGETATION Stratum		Species	Dominance Ratio	Percent Dominance	DOM	NWI Status
Mosses	Sphagnum sp. (Sphagnum moss Polytrichum sp. (Polytrichum mo		38/76 38/76	50 50	X X	OBL NI
Herbs/Seedlings	Picea rubens (red spruce)* Carex trisperma (three-seeded s Vaccinium oxycoccos (small cra Abies balsamea (balsam fir) Kalmia angustifolia (sheeplaurel	anberry)	20.5/55 10.5/55 10.5/55 10.5/55 3/55	37 19 19 19 5	X X X	FACU* OBL OBL FAC 
Shrubs	Ilex verticillata (common winterb Ledum groenlandicum (bog Lab		38/48.5 10.5/48.5	78 22	X X	FACW OBL
Saplings	Abies balsamea (balsam fir) Picea rubens (red spruce)* Acer rubrum (red maple) Thuja occidentalis (northern whit	te cedar)	10.5/42 10.5/42 10.5/42 10.5/42	25 25 25 25 25	X X X	FAC FACU* FAC FACW
	*exhibited raised roots due to we	etness				
HYDROPHYTES			NON-HYDROP	HYTES		
4	2 3	2	0	0		0
OBL	FACW FAC	*OTHER	FAC-	FACU	ı	UPL
Hydrophytes Subtot	al (A): 11	Percent Hydrophytes (100A/A+B): 11/11		es Subtotal (B): 0		
		Percent riyuropriytes (1007/7+0).	- 100 /0			
HYDROLOGY RECORDED D	ATA					
Stream, lake of Aerial photogo Other						
▼ NO RECORDE	D DATA					
<b>▼</b> OBSERVATION	NS:					
Depth to Satu	Water: 0 inches; ponded 1 inch uration (including capillary fringe): logy (explain): None Observed	at pit location 0 inches, saturated at surface; 46.0 degrees	₃ F			
✓ Inundated	Saturated within Upper 12"	Water Marks Drift Line	es 🔲 Sedi	iment Deposits	☐ Draina	age Patterns
OTHER (explain	1):					

Project Title:	Calais LNG		M	<b>P:</b> 3.35	Transect: W-24C	Plot: Wetland
SOIL Sketch lar	ndscape position o	of this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	enter ←36 feet →	Wetland Boundary ←30	feet → Upland Plo	ot Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC blor, abundance, size, trast)	COMMENTS (USDA texture, nodules, cor restrictive layers, root distribution	cretions, masses, pore linings, , soil water, etc)
0 – 10	0				Muck and peat; decomposed Spha	gnum moss; saturated
10 – 18	B1	2.5Y 5/2		nmon; medium; ninent	Loamy sand, some stickiness/clay;	no roots; saturated
18 – 25+	B2	2.5Y 6/2		any, medium, ninent	Loamy sand; saturated; no roots	
:::/5510.0011	::::::::::::::::::::::::::::::::::::::					
HYDRIC SOIL	.INDICATOR(S)	: IV – Histic epipidon			REFERENCE(S): New England Hydric Soils Technical Coffield Indicators for Identifying Hydric Sengland Interstate Water Pollution Cont MA.	Soils in New England. New
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sul	bgroup:					
Soil drainage of	class:					
CONCLUSION	NS .					
Hydrophytic ve	egetation met?		YES •	NO	REMARKS:	
Hydric soils cri	iterion met?		<b>~</b>			
Wetland hydro	ology met?		<b>~</b>			
Is this data poi	int in a wetland?		V			

PROJECT TITLE	Calais LNG MP: 3.35	TRANSECT:	W-24C	<u>PLOT</u> : U	pland
EVALUATOR(S):	_W.S.M.	DATE: May	1, 2009		
VEGETATION Stratum	<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status
Mosses	Polytrichum sp. (Polytricum moss)	38/38	100	Х	NI
Herbs/Seedlings	Maianthemum canadense (Canada mayflower)	20.5/20.5	100	Х	FAC-
Shrubs	Abies balsamea (balsam fir) Acer rubrum (red maple)	20.5/31 10.5/31	66 34	X X	FAC FAC
Saplings	Thuja occidentalis (northern white cedar) Abies balsamea (balsam fir)	20.5/41 20.5/41	50 50	X X	FACW FAC
Trees	Thuja occidentalis (northern white cedar) Abies balsamea (balsam fir) Acer rubrum (red maple) Picea rubens (red spruce)	733/1395 436/1395 115/1395 111/1395	53 31 8 8	X X	FACW FAC 
HYDROPHYTES		NON-HYDROP	PHYTES		
0	2 4 0	1	0		0
OBL	FACW FAC *OTHER	FAC-	FACL	J	UPL
Hydrophytes Subtot	al (A): 6	Non-hydrophyte	es Subtotal (B): 1		
	Percent Hydrophytes (100A/A+B): 6/7	= 86%			
HYDROLOGY					
☐ RECORDED D	ATA				
Stream, lake Aerial photog Other					
▼ NO RECORDE	D DATA				
<b>▼</b> OBSERVATIO	NS:				
Depth to Satu	Water: > 23 inches ration (including capillary fringe): 20 inches logy (explain): None Observed				
Inundated	Saturated within Upper 12" Water Marks Drift Lines	S Sedi	ment Deposits	☐ Draina	age Patterns
OTHER (explain	n):				

Project Title:	Calais LNG		<b>MP:</b> 3.35	Transect: W-24C	Plot: Upland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other plot(s) and the	e wetland flag if not on plan.	
Wetland Plot Ce	enter ←36 feet →	Wetland Boundary ←30	feet → Upland Plot Center		
Submission of	photo of plot is	encouraged.			
DEPTH	HORIZON	MATRIX COLOR	REDOXIMORPHIC FEATURES (color, abundance, s contrast)	ize, COMMENTS (USDA texture, nodules, co	oncretions, masses, pore linings, in, soil water, etc)
0 – 4	А	10YR 3/2	None	Sandy loam; many fine roots; few r	medium roots; moist
4 – 15	B1	10YR 4/4	None	Coarse loamy sand; moist; few me	dium roots
15 – 23+	B2	2.5Y 5/4	None	Coarse loamy sand; few medium rosaturated at 20 inches	oots; very moist –
HYDRIC SOIL	INDICATOR(S)	: Non-hydric		REFERENCE(S):	
				New England Hydric Soils Technical C Field Indicators for Identifying Hydric England Interstate Water Pollution Con MA.	Soils in New England. New
OPTIONAL SO	OIL DATA:			REFERENCE(S):	
Taxonomic sub	ogroup:				
Soil drainage o	class:				
CONCLUSION	IS		YES NO	DEMARKS.	
Hydrophytic ve	egetation met?		V	REMARKS:	
Hydric soils cri	terion met?				
Wetland hydro	logy met?				
Is this data poi	nt in a wetland?				

PROJECT TITLE	: Calais LNG	<u>MP:</u> 8.6		TRANSECT:	W-209	<u>PLOT</u> : W	etland/		
EVALUATOR(S):	_ W.S.M.			DATE: May	1, 2009				
VEGETATION Stratum		<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status		
Herbs/Seedlings	Rubus hispidus (bristly dewbe Dryopteris intermedia (interm Saxifraga pensylvanica (Swai	ediate woodfern)		10.5/24 10.5/24 3/24	44 44 12	X X	FACW FACU		
Shrubs	Alnus incana (speckled alder) Prunus virginiana (choke che Lonicera Canadensis (americ	rry)		63/94 20.5/94 10.5/94	67 22 11	X X	FACW FACU		
Sapling	Acer rubrum (red maple) Fraxinus pennsylvanica (gree Picea rubens (red spruce)	n ash)		38/59 10.5/59 10.5/59	64 18 18	Х	FAC		
Trees	Picea rubens (red spruce)* Larix Iaricina (tamarack) Acer rubrum (red maple)			747/856 25/856 85/856	56 30 14	X X	FACU* FACW		
HYDROPHYTES	*raised root morph	nology due to wetness		NON-HYDROP	DHVTEQ				
	2	4					•		
0 OBL	3 1 FACW FAC	1 *OTHER		0 FAC-	2 FACL	J	0 UPL		
Hydrophytes Subtot	al (A): 5	Dara and Undersolve to a (10	·ΩΔ/Δ·Π), Ε/7,		es Subtotal (B): 2				
		Percent Hydrophytes (10	UA/A+Dj. J//	= / 170 					
HYDROLOGY  RECORDED D	ATA								
Stream, lake Aerial photog Other									
▼ NO RECORDE	ED DATA								
<b>▼</b> OBSERVATIO	NS:								
Depth to Satu	Depth to Free Water: 12 inches Depth to Saturation (including capillary fringe): 0 inches, saturated at surface Altered Hydrology (explain): None Observed								
Inundated	Saturated within Upper 12	" Water Marks	Drift Lines	s 🔲 Sedi	iment Deposits	☐ Drain	age Pattems		
OTHER (explain	n): Water-stained lea	aves							

Project Title:	Calais LNG		MI	<b>P:</b> 8.6	Transect: W-209	Plot: Wetland
SOIL Sketch lan	dscape position o	of this plot. Indicate relative	ve position of other	plot(s) and the wetla	and flag if not on plan.	
Wetland Plot Ce	nter ←36 feet →	Wetland Boundary ←30	feet → Upland Plot	t Center		
Submission of	photo of plot is e	encouraged.				
Oddinios.c	011010 01 0.01 12		REDOXIN			
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	lor, abundance, size, rast)	COMMENTS (USDA texture, nodules, cond restrictive layers, root distribution,	retions, masses, pore linings, soil water, etc)
0 – 5	А	10YR 4/2	No	ne	Loam; saturated; many fine roots	
5 – 12	B1	2.5Y 5/2	7.5YR 3/4, com prom		Loam; saturated; few fine roots	
12 – 24+	B2	5Y 5/2	10YR 4/4; many, medium, prominent		Sandy loam; saturated; no roots	
HYDRIC SOIL	INDICATOR(S)	: VI – Depleted or Gle	L yed Matrix		REFERENCE(S): New England Hydric Soils Technical Co	
					Field Indicators for Identifying Hydric Se England Interstate Water Pollution Contr MA.	
OPTIONAL SC	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage of	class:					
CONCLUSION	IS					
Hydrophytic ve	getation met?		YES <b>▽</b>	NO	REMARKS:	
Hydric soils cri	terion met?		~			
Wetland hydro	logy met?		~			
Is this data poi	nt in a wetland?		<b>~</b>			

PROJECT TITLE	: Calais LNG	<u>MP:</u> 8.6		TRANSECT: W-209		PLOT: Upland	
EVALUATOR(S):	_ W.S.M.			<b>DATE:</b> May 4, 2009			
VEGETATION Stratum	Speci	i <u>es</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status
Mosses	Polytrichum sp. (Polytrichum moss)			38/38	100	X	NI
Herbs/Seedlings	Dryopteris intermedia (intermediate wo Hieracium pretense (yellow hawkweed)			10.5/13.5 3/13.5	78 22	X X	FACU NI
Shrubs	Prunus virginiana (choke cherry) Pinus strobus (eastern white pine) Abies balsamea (balsam fir)			20.5/44 20.5/44 3/44	47 47 6	X X	FACU FACU 
Saplings	Picea rubens (red spruce)			3/3	100	Χ	FACU
Trees	Pinus strobus (eastern white pine) Picea rubens (red spruce) Larix Iaricina (tamarack)			1157/1549 231/1549 161/1549	75 15 10	X	FACU  
HYDROPHYTES					PHYTES		
0	0 0	0		0	5		0
OBL	FACW FAC	*OTHER		FAC-	FACI	J	UPL
Hydrophytes Subto		ercent Hydrophytes (10	0A/A+B): 0/5		es Subtotal (B): 1		
HYDROLOGY							
RECORDED D	ATA						
Stream, lake Aerial photog Other							
▼ NO RECORDE	D DATA						
<b>▼</b> OBSERVATIO	NS:						
Depth to Satu	Water: > 23 inches; none observed iration (including capillary fringe): 16 inch logy (explain): None Observed	nes					
Inundated	Saturated within Upper 12"	Water Marks	☐ Drift Lines	Sed	iment Deposits	☐ Draina	age Patterns
OTHER (explain	n):						

Project Title: (	Calais LNG		MP:	8.6	Transect: W-209	Plot: Upland
SOIL Sketch lan	dscape position of	f this plot. Indicate relative	ve position of other pla	ot(s) and the wetla	and flag if not on plan.	
Wetland Plot Ce	nter ←20 feet →	Wetland Boundary ←35	feet → Upland Plot (	Center		
Submission of	photo of plot is e	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIMO FEATURES (color		COMMENTS (USDA texture, nodules, concretions, ma	sara lininga
DEFILI	HONZON	WATKIN GOLOK	contras		restrictive layers, root distribution, soil water,	etc)
0 – 2	Α	10YR 2/2	None	е	Sandy loam; dry; few needles mixed in	
2 – 14	В	2.5Y 5/3	10YR 4/6 begi		Loam, few fine roots; moist	
			inches; commo promin			
			·			
14 – 23+	С	5Y 6/2	2.5Y 6/4 commo		Sandy loam; few notes	
			distin	ct		
HYDRIC SOIL	INDICATOR(S):	: Non-hydric			REFERENCE(S):	
					New England Hydric Soils Technical Committee. Field Indicators for Identifying Hydric Soils in Ne	w England. New
					England Interstate Water Pollution Control Comm MA.	iission, Lowell,
OPTIONAL SC	DIL DATA:				REFERENCE(S):	
Taxonomic sub					( )	
Soil drainage o	lass:					
CONCLUSION	IS		YES I	NO	REMARKS:	
Hydrophytic ve	getation met?			V	REWARNS.	
Hydric soils cri	terion met?			<b>▽</b>		
Wetland hydro	logy met?			V		
Is this data poi	int in a wetland?			V		
1						

PROJECT TITLE	: Calais LNG	<u>MP:</u> 9.6	<u>MP:</u> 9.6 <u>TRANSI</u>		<b>TRANSECT</b> : W-89C		PLOT: Wetland		
EVALUATOR(S):	_W.S.M.			DATE: May	4, 2009				
VEGETATION Stratum		<u>Species</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status		
Herbs/Seedlings	Carex lacustris (hairy sedge) Onoclea sensibilis (sensitive ferr	)		85.5/106 20.5/106	81 19	Х	OBL 		
Shrubs	Alnus rugosa (speckled alder) Spiraea alba (white meadowswe Salix discolor (pussy willow)	et)		38/96.5 38/96.5 20.5/96.5	39 39 21	X X X	FACW FACW FACW		
Sapling	Acer rubrum (red maple) Fraxinus pennsylvanica (green a	sh)		3/6 3/6	50 50	X X	FAC FACW		
Trees	Fraxinus pennsylvanica (green a Acer rubrum (red maple)	sh)		152/176 24/176	86 14	Х	FACW 		
HYDROPHYTES				NON-HYDROF	PHYTES				
1	5 1	0		0	0		0		
OBL	FACW FAC	*OTHER	•	FAC-	FACI	J	UPL		
Hydrophytes Subto	al (A): 7	Percent Hydrophytes (100)	Δ/Δ+R)· 7/7 =		es Subtotal (B): 0				
		T Grooth Trydrophytes (100)	, vi (- ), - i i -	10070					
HYDROLOGY RECORDED D	ATA								
Stream, lake Aerial photog Other									
▼ NO RECORDE	ED DATA								
<b>▼</b> OBSERVATIO	NS:								
Depth to Satu	Depth to Free Water: 0 inches Depth to Saturation (including capillary fringe): 0 inches, saturated at surface Altered Hydrology (explain): None Observed								
Inundated	Saturated within Upper 12"	<b>✓</b> Water Marks	☐ Drift Lines	s <b>▼</b> Sed	iment Deposits	☐ Drain	age Patterns		
OTHER (explain	n): Sulfidic-odor near su	rface							

Project Title:	Calais LNG		MI	<b>P:</b> 9.6	Transect: W-89C Plot	: Wetland
-		of this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	enter ←25 feet →	Wetland Boundary ←30	feet → Upland Plot	t Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIN FEATURES (co contr	lor, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses, restrictive layers, root distribution, soil water, etc)	, pore linings,
0 – 9	0				Muck; partially decomposed sedges and other h plant material; saturated; sulfidic odor	erbaceous
9 – 20	B1	5Y 6/2	10YR 4/4, com prom		Silty clay loam; saturated; organic material layer throughout horizon – partially decomposed leave consistent with floodplain area	
20 – 30+	B2	N 6/1	No	ne	Clay; no roots	
HYDRIC SOIL	INDICATOR(S):	: IV – Histic epipidon			REFERENCE(S): New England Hydric Soils Technical Committee. 2004 Field Indicators for Identifying Hydric Soils in New England Interstate Water Pollution Control Commission MA.	ngland. New
ODTIONAL OC						
OPTIONAL SC					REFERENCE(S):	
Taxonomic sub	bgroup:					
Soil drainage o	class:					
CONCLUSION	15		YES	NO	REMARKS:	
Hydrophytic ve	egetation met?		IE2	NO	KEWARNS.	
Hydric soils cri	iterion met?		<b>~</b>			
Wetland hydro	logy met?		<b>~</b>			
Is this data poi	int in a wetland?		<b>~</b>			

PROJECT TITLE	Calais LNG	<u>MP:</u> 9.6	TRANSECT	TRANSECT: W-89C		PLOT: Upland	
EVALUATOR(S):	_ W.S.M.		<b>DATE:</b> May 4, 2009				
VEGETATION Stratum	Spe	<u>cies</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Maianthemum canadense (Canada m Taraxacum officinale (common dande Hieracium sp. (hawkweed) Viola sororia (common blue violet)		10.5/19.5 3/19.5 3/19.5 3/19.5	54 15 15 15	Х	FAC-  	
Shrubs	Pinus strobes (eastern white pine) Spiraea alba (white meadowsweet) Fraxinus pennsylvanica (green ash)		3/9 3/9 3/9	33 33 33	X X X	FACU FACW FACW	
Sapling	Acer rubrum (red maple) Fraxinus pennsylvanica (green ash) Pinus strobes (eastern white pine)		20.5/41.5 10.5/41.5 10.5/41.5	49 25 25	X X X	FAC FACW FACU	
Trees	Acer rubrum (red maple) Betula populifolia (gray birch) Fraxinus pennsylvanica (green ash) Thuja occidentalis (northern white ced	dar)	881/1230 186/1230 96/1230 67/1230	49 17 8 5	X	FAC  	
HYDROPHYTES NON-HYDROPHYTES							
0	3 2	0	1	2		0	
OBL	FACW FAC	*OTHER	FAC-	FACL	J	UPL	
Hydrophytes Subtot	al (A): 5		Non-hydrophy	rtes Subtotal (B): 3			
	F	Percent Hydrophytes (100A/A+E	3): 5/8 = 63%				
HYDROLOGY							
☐ RECORDED D	ATA						
Stream, lake Aerial photog Other							
▼ NO RECORDE	D DATA						
✓ OBSERVATIOI	NS:						
Depth to Satu	Water: > 11 inches ration (including capillary fringe): > 11 logy (explain): None Observed	inches – rock refusal; extremel	rocky condtions				
Inundated	Saturated within Upper 12"	Water Marks	Drift Lines	diment Deposits	☐ Draina	age Patterns	
OTHER (explain	1):						

Project Title:	Calais LNG		<b>MP:</b> 9.6		Transect: W-89C	Plot: Upland
SOIL Sketch lan	dscape position of th	is plot. Indicate relative	position of other plot(s) and	the wetlan	nd flag if not on plan.	
Wetland Plot Ce	enter ←25 feet → We	etland Boundary ←30 fe	et → Upland Plot Center			
Submission of	photo of plot is end	couraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIMORPHI FEATURES (color, abunda contrast)		COMMENTS (USDA texture, nodules, concretions, mestrictive layers, root distribution, soil water	nasses, pore linings,
0 – 6	А	2.5Y 3/2	None		Loam; moist; many fine roots; very to extre	mely rocky
6 – 11	В	5Y 4/4	None		Sandy loam; very moist; many fine roots; vextremely rocky	ery to
> 11	Rocks/Boulders				Rock refusal	
HYDRIC SOIL	INDICATOR(S): N	lon- hydric			REFERENCE(S): New England Hydric Soils Technical Committe Field Indicators for Identifying Hydric Soils in I New England Interstate Water Pollution Control Lowell, MA.	New England.
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sul	ogroup:					
Soil drainage o	class:					
CONCLUSION	IS		YES NO		REMARKS:	
Hydrophytic ve	egetation met?		<b>▼</b> □		NEWANNO.	
Hydric soils cri	terion met?					
Wetland hydro	logy met?					
Is this data poi	nt in a wetland?					

PROJECT TITLE:	Calais LNG MP: 12.2	TRANSECT:	W-118A	<u>PL</u>	<u>OT</u> : Wetland			
EVALUATOR(S):	_W.S.M.	DATE: May	4, 2009					
VEGETATION Stratum	<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status			
Herbs/Seedlings	Rubus Hispidus (bristly dewberry) Saxifraga pensylvanica (Swamp Saxifrage)	10.5/99 3/99	78 22	X X	FACW OBL			
Moss	Sphagnum sp. (sphagnum moss)	85.5/85.5	100	X	OBL			
Shrubs	Alnus incana (speckled alder) Abies balsamea (balsam fir)	85.5/96 10.5/96	89 11	X	FACW			
Sapling	Abies balsamea (balsam fir) Acer rubrum (red maple)	10.5/13.5 3/13.5	78 22	X X	FAC FAC			
Trees	Abies balsamea (balsam fir) Populus tremuloides (quaking aspen) Acer rubrum (red maple)	101/179 53/179 25/179	56 30 14	X X	FAC FACU			
HYDROPHYTES		NON-HYDROF	DUVTEQ					
			TITIES		•			
2 OBL	2 3 0 FACW FAC *OTHER	0 FAC-	1 FACU	J	0 UPL			
Hydrophytes Subtot			es Subtotal (B): 1					
	Percent Hydrophytes (100A/A+B): 7/8	= 88%						
HYDROLOGY								
RECORDED D	ATA							
Stream, lake of Aerial photogo Other								
▼ NO RECORDE	D DATA							
<b>▼</b> OBSERVATION	NS:							
Depth to Satu	Depth to Free Water: 4 inches Depth to Saturation (including capillary fringe): 0 inches, saturated at surface Altered Hydrology (explain): None Observed							
Inundated	Saturated within Upper 12" Water Marks Drift Line	s 🔲 Sed	iment Deposits	☐ Draina	age Patterns			
OTHER (explain	n): water stained leaves; sulfidic odor							

Project Title:	Calais LNG		M	<b>P:</b> 12.2	Transect: W-118A Plo	t: Wetland
SOIL Sketch la	ndscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wet	and flag if not on plan.	
Wetland Plot Ce	enter ←21 feet →	Wetland Boundary ←35	feet → Upland Plo	ot Center		
Submission of	f photo of plot is	encouraged.			<del>,</del>	
DEPTH	HORIZON	MATRIX COLOR	FEATURES (ca	MORPHIC olor, abundance, size, trast)	ce, COMMENTS (USDA texture, nodules, concretions, masses restrictive layers, root distribution, soil water, etc)	
0 – 9	0				Muck and Sphagnum peat; greasy; low bulk decomposed leaves; saturated	ensity;
9 – 13	А	5Y 4/1	No	one	Clay loam; saturated; no roots	
13 – 25+	Bg	10Y 6/1		any, medium, ninent	Clay; no roots; saturated	
HYDRIC SOIL	INDICATOR(S)	: VI – Histic epipidon			REFERENCE(S): New England Hydric Soils Technical Committee. 20 Field Indicators for Identifying Hydric Soils in New England Interstate Water Pollution Control Commis MA.	England. New
OPTIONAL S	OIL DATA:				REFERENCE(S):	
Taxonomic su	bgroup:					
Soil drainage	class:					
CONCLUSIO	NS		YES	NO	REMARKS:	
Hydrophytic v	egetation met?		ĭE9		REMARNS.	
Hydric soils cr	iterion met?		<b>▽</b>			
Wetland hydro	ology met?		<b>▽</b>			
Is this data po	int in a wetland?		<b>V</b>			

PROJECT TITLE	Calais LNG	<u>MP:</u> 12.2	TRANSECT:	W-118A	PL	<u>OT</u> : Upland
EVALUATOR(S):	_W.S.M.		DATE: May	4, 2009		
VEGETATION Stratum		<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status
Herbs/Seedlings	None					
Shrubs	None					
Sapling	Abies balsamea (balsam fir) Betula populifolia (gray birch)		63/66 3/66	95 5	Х	FAC
Trees	Abies balsamea (balsam fir) Populus tremuloides (quaking as Thuja occidentalis (northern whi	spen) te cedar)	538/899 230/899 131/899	60 26 15	X X	FAC FACU
HYDROPHYTES			NON-HYDROF	PHYTES		
OBL	FACW FAC	0 *OTHER	O FAC-	1 FACU	J	0 UPL
Hydrophytes Subtot	al (A): 2		Non-hydrophyt	es Subtotal (B): 1		
		Percent Hydrophytes (100A/A+B): 2/3	= 67%			
HYDROLOGY						
RECORDED D	ATA					
Stream, lake of Aerial photogory Other						
▼ NO RECORDE	D DATA					
<b>✓</b> OBSERVATION	NS:					
Depth to Satu	Water: > 20 inches iration (including capillary fringe): logy (explain): None Observed	15 inches				
Inundated	Saturated within Upper 12"	Water Marks Drift Line	es Sed	iment Deposits	☐ Drain	age Patterns
OTHER (explain	n):					

Project Title:	Calais LNG		MP	: 12.2	Transect: W-118A Plot:	Wetland	
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other p	lot(s) and the wetla	and flag if not on plan.		
Wetland Plot Ce	enter ←21 feet →	Wetland Boundary ←35	feet → Upland Plot	Center			
Submission of	photo of plot is	encouraged.					
DEPTH	HORIZON	MATRIX COLOR	REDOXIM FEATURES (cold contra	or, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses restrictive layers, root distribution, soil water, etc)	, pore linings,	
0 – 3	А	10YR 2/1	Nor	ne	Loam; many fine roots		
3 – 9	B1	10YR 4/4	Nor	ne	Sandy loam; common medium roots; moist; very	y stony	
9 – 20+	B2	5Y 6/3	10YR 4/4; mai larg	•	Coarse sandy loam; few medium roots; very sto	ny	
HYDRIC SOIL	INDICATOR(S)	: Non-hydric			REFERENCE(S): New England Hydric Soils Technical Committee. 2004. 3rd ed., Field Indicators for Identifying Hydric Soils in New England. New England Interstate Water Pollution Control Commission, Lowell, MA.		
OPTIONAL SO	OIL DATA:				REFERENCE(S):		
Taxonomic sub	ogroup:						
Soil drainage o	class:						
CONCLUSION	IS		VEC	NO	DEMARKS.		
Hydrophytic ve	egetation met?		YES	NO	REMARKS:		
Hydric soils cri	terion met?			<b>~</b>			
Wetland hydro	logy met?			<b>▽</b>			
Is this data poi	nt in a wetland?			<b>V</b>			

PROJECT TITLE	: Calais LNG <u>MP:</u> 13.15	<u>TRANSECT</u> : W		<i>N</i> -125 <b>PLOT</b> : We				
EVALUATOR(S):	_ W.S.M.	DATE: May 5	5, 2009					
VEGETATION Stratum	<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status			
Mosses	Sphagnum sp. (Sphagnum moss)	10.5/10.5	100	Х	OBL			
Herbs/Seedlings	Osmunda cinnamomea (cinnamon fern) Calamagrostis canadensi (bluejoint) Medeola virginiana (Indian cucumber) Saxifraga pensylvanica (eastern swamp saxifrage)	38/82 38/82 3/82 3/82	46 46 4 4	X X	FACW FACW 			
Shrubs	Salix bebbiana (Bebb's willow) Spiraea alba (white meadowsweet)	20.5/31 10.5/31	66 34	X X	FACW FACW			
Sapling	Betula populifolia (gray birch) Acer rubrum (red maple) Abies balsamea (balsam fir)	20.5/41.5 10.5/41.5 10.5/41.5	50 25 25	X X X	FAC FAC FAC			
Trees	Acer rubrum (red maple)	25/25	100	Х	FAC			
HYDROPHYTES NON-HYDROPHYTES								
1	4 4 0	0	0		0			
OBL	FACW FAC *OTHER	FAC-	FACL	j	UPL			
Hydrophytes Subtot			es Subtotal (B): 0					
	Percent Hydrophytes (100A/A+B): 9/9	= 100%						
HYDROLOGY								
RECORDED D								
Stream, lake of Aerial photogo Other								
▼ NO RECORDE	D DATA							
▼ OBSERVATION	NS:							
Depth to Free Water: 4 inches  Depth to Saturation (including capillary fringe): 0 inches, saturated at surface  Altered Hydrology (explain): None Observed								
Inundated	Saturated within Upper 12" Water Marks Drift Line	s 🔽 Sedi	iment Deposits	☐ Draina	age Patterns			
OTHER (explain	n):							

Project Title: (	Calais LNG		М	<b>P:</b> 13.15	Transect: W-125	Plot: Wetland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	nter ←20 feet →	Wetland Boundary ←35	feet → Upland Plo	t Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC blor, abundance, size, trast)	COMMENTS (USDA texture, nodules, concretions, restrictive layers, root distribution, soil wate	masses, pore linings, er, etc)
0 – 9	Α	10YR 3/2	No	one	Loam; many fine roots; rocky; saturated	
9 – 20+	В	10YR 5/2	7.5YR 4/6; con prom	nmon, medium, ninent	Sandy loam; few roots; very rocky; saturate	эd
>20	Rock				Rock refusal	
HYDRIC SOIL	INDICATOR(S)	: VI – Depleted or Gle	ved Matrix		REFERENCE(S):	
	(5)		,		New England Hydric Soils Technical Committee Field Indicators for Identifying Hydric Soils in P. England Interstate Water Pollution Control CommA.	Vew England. New
OPTIONAL SC	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	class:					
CONCLUSION	IS		YES	NO	REMARKS:	
Hydrophytic ve	egetation met?		<b>▽</b>		NEWARRO.	
Hydric soils cri	terion met?		<b>V</b>			
Wetland hydro	logy met?		<b>V</b>			
Is this data poi	nt in a wetland?		<b>V</b>			

PROJECT TITLE	: Calais LNG <u>MP:</u> 13.15	<b>TRANSECT</b> : W-125			PLOT: Upland				
EVALUATOR(S):	_ W.S.M.	<b>DATE:</b> May 5, 2009							
VEGETATION Stratum	<u>Species</u>	Dominance Ratio	Percent Dominance	DOM	NWI Status				
Herbs/Seedlings	Maianthemum canadense (Canada mayflower) Hieracium caespitosum (yellow hawkweed)	10.5/21 10.5/21	50 50	X X	FAC- NI				
Shrubs	Tsuga canadensis (eastern hemlock) Abies balsamea (balsam fir)	10.5/13.5 3/13.5	78 22	X X	FACU FAC				
Saplings	Betula populifolia (gray birch) Acer rubrum (red maple) Abies balsamea (balsam fir) Tsuga canadensis (eastern hemlock)	38/69.5 10.5/69.5 10.5/69.5 10.5/69.5	55 15 15 15	Х	FAC  				
Trees	Abies balsamea (balsam fir) Populus tremuloides (quaking aspen)	21/41 20/41	51 49	X X	FAC FACU				
HYDROPHYTES NON-HYDROPHYTES									
0	0 3 0	1	2		0				
OBL	FACW FAC *OTHER	FAC-	FACL	J	UPL				
Hydrophytes Subtot	al (A): 3	Non-hydrophyt	es Subtotal (B): 3						
	Percent Hydrophytes (100A/A+B): 3/6	5 = 50%							
HYDROLOGY									
RECORDED D	ATA								
Stream, lake Aerial photog Other									
▼ NO RECORDE	D DATA								
✓ OBSERVATION	NS:								
Depth to Satu	Water: > 16 inches iration (including capillary fringe): > 16 inches logy (explain): None Observed								
Inundated	Saturated within Upper 12" Water Marks Drift Lin	es 🔽 Sed	iment Deposits	☐ Draina	age Patterns				
OTHER (ex plain	n):								

Project Title:	Calais LNG		MF	<b>P:</b> 13.15	Transect: W-125 Plot:		
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other p	olot(s) and the wetle	and flag if not on plan.		
Wetland Plot Ce	enter ←20 feet →	Wetland Boundary ←35	feet → Upland Plot	Center			
Submission of	photo of plot is	encouraged.					
DEPTH	HORIZON	MATRIX COLOR	REDOXIM FEATURES (col contr	or, abundance, size,	COMMENTS (USDA texture, nodules, concretions, masses restrictive layers, root distribution, soil water, etc)	s, pore linings,	
0 – 5	А	2.5Y 3/2	Noi	ne	Loam; common medium roots, many fine roots;	moist	
5 – 16	В	10YR 5/6	Nor	ne	Sandy loam; common fine medium roots; moist	; stoney	
>16	Rock				Rock refusal		
HYDRIC SOIL	INDICATOR(S)	: Non-hydric			REFERENCE(S): New England Hydric Soils Technical Committee. 200 Field Indicators for Identifying Hydric Soils in New E England Interstate Water Pollution Control Commissi MA.	England. New	
OPTIONAL SC	OIL DATA:				REFERENCE(S):		
Taxonomic sub	ogroup:						
Soil drainage of	class:						
CONCLUSION	IS		\/F0	NO	DEMAN(A		
Hydrophytic vegetation met?			YES	NO REMARKS: <b>▼</b>			
Hydric soils cri	terion met?			<b>~</b>			
Wetland hydrology met?				<b>~</b>			
Is this data poi	nt in a wetland?			<b>V</b>			

PROJECT TITLE:	Calais LNG	<u>MP:</u> 17.6		TRANSECT:	W-148B	<u>PLOT</u> : \	Wetland
EVALUATOR(S):	_ W.S.M.			DATE: May 5	5, 2009		
VEGETATION				Dominance	Percent	- 214	
<u>Stratum</u>	<u>Spec</u>	<u>cies</u>		Ratio	Dominance	DOM	NWI Status
Mosses	Sphagnum sp. (Sphagnum moss)			10.5/10.5	100	Х	OBL
Herbs/Seedlings	Typha latifolia (common cattail)			63/100	63	X X	OBL
	Onoclea sensibilis (sensitive fern) Carex rostrata (beaked sedge)			20.5/100 10.5/100	21 11	λ	FACW 
	Pontederia cordata (pickerelweed)			3/100	3		
	Lemna minor (common duckweed)			3/100	3		
Shrubs	Alnus rugosa (speckled alder)			38/90	42	X	FACW
	Lonicera villosa (mountain fly honeysu Viburnum nudum L. var. cassinoides (			20.5/90 10.5/90	23 12	Х	NI
	Larix laricina (tamarack)	northern wild raisin)		10.5/90	12		
	Ilex verticillata (winterberry)			10.5/90	12		
	Acer rubrum (red maple)			3/90	3		
Trees	Picea rubens (red spruce)*			10.5/10.5	100	Х	FACU*
HYDROPHYTES				NON-HYDROP	PHYTES		
2	2 0	1		0	0		0
OBL	FACW FAC	*OTHER	•	FAC-	FACL	J	UPL
Hydrophytes Subtot	al (A): 5			Non-hydrophyte	es Subtotal (B): 0		
	Pe	ercent Hydrophytes (100A	VA+B): 5/5 =	: 100%			
HYDROLOGY							
☐ RECORDED DA							
Stream, lake o							
Aerial photogr Other	raphy Identifications: Identifications:						
▼ NO RECORDE							
<b>▼</b> OBSERVATION	NS:						
Depth to Free	Water: 3 inches inundated						
Depth to Satu	rration (including capillary fringe): 0 inch ology (explain): None Observed	nes, saturated at surface					
- Incorporated	Caturated within Linner 12"	☐ Water Marks	☐ Drift Lines	- God		- Drain	Dottomo
✓ Inundated	Saturated within Upper 12"	Walti Mains	Dint rines	) W Jou	ment Deposits	☐ Draina	age Patterns
OTHER (ex plain	n): water stained leaves; sulfi	dic odor near surface					

Project Title: (	Calais LNG		M	<b>P:</b> 17.6	Transect: W-148B	Plot: Wetland		
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.			
Wetland Plot Ce	nter ←27 feet →	Wetland Boundary ←35	feet → Upland Plo	ot Center				
Submission of	photo of plot is e	encouraged.						
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC blor, abundance, size, trast)	COMMENTS (USDA texture, nodules, concretions restrictive layers, root distribution, soil wa	, masses, pore linings, ter, etc)		
0 – 12	0				Muck; decomposed Sphagnum moss, leaves, cattail leaves; sulfidic odor near surface			ves, twigs and
12 – 24+  HYDRIC SOIL	B INDICATOR(S):	2.5Y 4/1  10YR 5/6; common, medium, prominent  CATOR(S): IV – Histic epipidon			REFERENCE(S): New England Hydric Soils Technical Committee. 2004. 3rd ed.,			
					England Interstate Water Pollution Control Co MA.	mmission, Lowell,		
OPTIONAL SC	OIL DATA:				REFERENCE(S):			
Taxonomic sub	ogroup:							
Soil drainage o	class:							
CONCLUSION	IS		\/50	110	DELIA DI CO			
Hydrophytic ve	egetation met?		YES	NO	REMARKS:			
Hydric soils cri	terion met?		<b>▽</b>					
Wetland hydro	logy met?		<b>~</b>					
Is this data poi	nt in a wetland?		V					

PROJECT TITLE	: Calais LNG	<u>MP:</u> 17.6	TRANSECT: W-148B PLOT: Upland					
EVALUATOR(S):	_ W.S.M.		DATE: May 5	5, 2009				
VEGETATION Stratum	<u>Specie</u> :	<u> </u>	Dominance Ratio	Percent Dominance	DOM	NWI Status		
Mosses	Hylocomium splendens (splendid feather	moss)	63/63	100	Χ	NI		
Herbs/Seedlings	Abies balsamea (balsam fir) Picea rubens (red spruce) Kalmia angustifolia (sheeplaurel) Cornus canadensis (bunchberry) Maianthemum canadense (Canada mayf	ilower)	20.5/50 20.5/50 3/50 3/50 3/50	41 41 6 6 6	X X	FAC FACU  		
Shrubs	Abies balsamea (balsam fir) Picea rubens (red spruce)		10.5/21 10.5/21	50 50	X X	FAC FACU		
Saplings	Abies balsamea (balsam fir) Pinus strobus (eastern white pine)		38/41 3/41	93 7	Χ	FAC		
Trees	Abies balsamea (balsam fir) Picea rubens (red spruce)		220/402 181/402	55 45	X X	FAC FACU		
HYDROPHYTES			NON-HYDROP	PHYTES				
0 OBL	0 4 FACW FAC	0 *OTHER	0 FAC-	3 FACU	ı	0 UPL		
Hydrophytes Subtot		OTTLIX		es Subtotal (B): 3	,	OI L		
	Perc	cent Hydrophytes (100A/A+B): 4/7	= 57%					
HYDROLOGY								
RECORDED D	ATA							
Stream, lake of Aerial photogod								
▼ NO RECORDE	ED DATA							
<b>✓</b> OBSERVATION	NS:							
Depth to Free Water: > 20 inches Depth to Saturation (including capillary fringe): > 20 inches Altered Hydrology (explain): None Observed								
Inundated	Saturated within Upper 12"	Water Marks Drift Line	es 🔲 Sedi	iment Deposits	☐ Draina	age Patterns		
OTHER (explain	1):							

Project Title: (	Calais LNG		MP:	<b>MP</b> : 17.6 <b>Transect</b> : W-148B		
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	ve position of other pl	ot(s) and the wetla	and flag if not on plan.	
Wetland Plot Ce	enter ←27 feet →	Wetland Boundary ←35	feet → Upland Plot (	Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	REDOXIMO FEATURES (color contras	, abundance, size,	COMMENTS (USDA texture, nodules, concretions restrictive layers, root distribution, soil wa	, masses, pore linings, ter, etc)
0 – 2	А	10YR 2/1	None	е	Loam; mossy; common fine roots; few me	edium roots
2 – 4	B1	7.5YR 4/4	None	е	Sandy loam; few coarse roots; moist; friat	ole
4 – 20+	B2	10YR 5/6	None	е	Sandy loam; common med roots; moist	
HYDRIC SOIL	INDICATOR(S)	: Non-hydric			REFERENCE(S): New England Hydric Soils Technical Committ Field Indicators for Identifying Hydric Soils in England Interstate Water Pollution Control Co MA.	New England. New
OPTIONAL SC	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	class:					
CONCLUSION	IS		\/F0	NO.	DEMARKO.	
Hydrophytic ve	egetation met?		_	NO	REMARKS:	
Hydric soils criterion met?			V			
Wetland hydro	logy met?			V		
Is this data poi	nt in a wetland?			<b>V</b>		

PROJECT TITLE:	Calais LNG	<u>MP:</u> 19.45	19.45 <b>TRANSECT</b> :		<u>r</u> : W-163C <u>PL</u> 0		DT: Wetland	
EVALUATOR(S):	_W.S.M.			DATE: May	5, 2009			
VEGETATION Stratum	<u>S</u>	<u>pecies</u>		Dominance Ratio	Percent Dominance	DOM	NWI Status	
Herbs/Seedlings	Saxifraga pensylvanica (eastern sw	vamp saxifrage)		3/3	100	Х	OBL	
Shrubs	Abies balsamea (balsam fir)			3/3	100	Х	FAC	
Sapling	Abies balsamea (balsam fir) Betula populifolia (gray birch) Picea rubens (red spruce) Thuja occidentalis (northern white o	cedar)		38/62 10.5/62 10.5/62 3/62	61 17 17 5	X	FAC  	
Trees	Abies balsamea (balsam fir) Thuja occidentalis (northern white of Betula papyrifera (paper birch) Acer Rubrum (red maple) Populus grandidentata (bigtooth as Betula populifolia (gray birch) Picea rubens (red spruce)			397/1146 316/1146 168/1146 91/1146 82/1146 53/1146 41/1146	35 28 15 8 7 5	X X	FAC FACW    	
HYDROPHYTES				NON-HYDROF	PHYTES			
1 OBL	1 3 FACW FAC	0 *OTHER	_	0 FAC-	0 FACU	1	0 UPL	
Hydrophytes Subtota		Percent Hydrophytes (100A/A-		Non-hydrophyt	es Subtotal (B): 0		01.2	
HYDROLOGY								
RECORDED DA	ATA							
Stream, lake o Aerial photogr Other								
▼ NO RECORDE	D DATA							
✓ OBSERVATION	IS:							
Depth to Free Water: 8 inches Depth to Saturation (including capillary fringe): 0 inches, saturated at surface Altered Hydrology (explain): None Observed								
Inundated	Saturated within Upper 12"	Water Marks	Drift Lines	☐ Sed	ment Deposits	☐ Draina	age Patterns	
▼ OTHER (explain	): water stained leaves							

Project Title:	Calais LNG		М	<b>P:</b> 19.45	Transect: W-163C	Plot: Wetland
SOIL Sketch lan	dscape position o	f this plot. Indicate relative	e position of other	plot(s) and the wetl	and flag if not on plan.	
Wetland Plot Ce	enter ←21 feet →	Wetland Boundary ←28	feet → Upland Plo	t Center		
Submission of	photo of plot is	encouraged.				
DEPTH	HORIZON	MATRIX COLOR	FEATURES (co	MORPHIC olor, abundance, size, rast)	COMMENTS (USDA texture, nodules, concretions, m restrictive layers, root distribution, soil water	nasses, pore linings, , etc)
0 – 9	А	2.5Y 3/1	No	ne	Coarse sandy loam; few medium roots; sati	urated
9 – 21+	В	2.5Y 5/3	10YR 5/6, com prom	imon, medium, inent	Loamy coarse sand; few roots; saturated	
HYDRIC SOIL	INDICATOR(S)	: X. B. Sandy with Red	dox		REFERENCE(S): New England Hydric Soils Technical Committee Field Indicators for Identifying Hydric Soils in N England Interstate Water Pollution Control Com MA.	ew England. New
OPTIONAL SO	OIL DATA:				REFERENCE(S):	
Taxonomic sub	ogroup:					
Soil drainage o	class:					
CONCLUSION	IS		YES	NO	REMARKS:	
Hydrophytic ve	egetation met?		ĭE9		REWARNS.	
Hydric soils cri	terion met?		<b>~</b>			
Wetland hydro	logy met?		<b>▽</b>			
Is this data poi	nt in a wetland?		<b>V</b>			

PROJECT TITLE	Calais LNG	<u>MP:</u> 19.45	TRANSECT:	W-163C	PLC	<b>DT</b> : Upland		
EVALUATOR(S):	_ W.S.M.		DATE: May	5, 2009				
VEGETATION Stratum	Spe	cies	Dominance Ratio	Percent Dominance	DOM	NWI Status		
Herbs/Seedlings	None							
Shrubs	None							
Sapling	Abies balsamea (balsam fir) Fraxinus americana (white ash)		85.5/96 10.5/96	89 11	Х	FAC 		
Trees	Tsuga Canadensis (eastern white her Populus grandidentata (bigtooth aspe Abies balsamea (balsam fir) Betula papyrifera (paper birch)		290/965 270/965 241/965 165/965	30 28 25 17	X X X	FACU FACU FAC 		
HYDROPHYTES			NON-HYDROF	PHYTES				
0	0 2	0	0	2	<del> </del>	0		
OBL Hydrophytes Subtot		*OTHER  Percent Hydrophytes (100A/A+B): 2/4		FACU es Subtotal (B): 2	,	UPL		
HYDROLOGY								
RECORDED D	ATA							
Stream, lake of Aerial photogo Other								
▼ NO RECORDE	D DATA							
<b>▼</b> OBSERVATION	NS:							
Depth to Free Water: > 20 inches Depth to Saturation (including capillary fringe): 15 inches Altered Hydrology (explain): None Observed								
Inundated	☐ Inundated ☐ Saturated within Upper 12" ☐ Water Marks ☐ Drift Lines ☐ Sediment Deposits ☐ Drainage Patterns							
OTHER (explain	1):							

Project Title: Calais LNG MP: 19.45				Transect: W-163C Plot: Upland	
SOIL Sketch landscape position of this plot. Indicate relative position of other plot(s) and the wetland flag if not on plan.  Wetland Plot Center ←21 feet → Wetland Boundary ←28 feet → Upland Plot Center  Submission of photo of plot is encouraged.					
Wetland Plot Ce	/etland Plot Center ←21 feet → Wetland Boundary ←28 feet → Upland Plot Center  ubmission of photo of plot is encouraged.  EPTH HORIZON MATRIX COLOR FEATURES (color, abundance, size, contrast)  COMMENTS (USDA texture, nodules, concretions, masses, pore linings, restrictive layers, root distribution, soil water, etc)				
Submission of	photo of plot is	encouraged.			
DEDTU	UODIZONI	MATRIX COLOR		COMMENTS	
DEFIII	HORIZON	WATRIX COLOR		restrictive layers, root distribution, soil water, etc)	
0 – 3	Α	10YR 2/1	None	Loam; many fine roots; few medium roots; moist	
3 – 4	Е	10YR 6/2	None	Fine sandy loam; many fine roots; few pebbles	
4 – 16	Bs	7.5YR 4/4	None	Fine sandy loam; common medium roots; few coarse roots; moist; no redoximorphic features; very stony	
				100ts, moist, no redoximorphic leatures, very storry	
16 – 20+	С	2.5Y 5/3	2.5Y 4/3, faint; commor	n, Coarse sandy loam	
			medium		
LIVDDIC COIL	INDICATOR(C)	. Nama basalain		DEFEDENCE (C).	
HYDRIC SOIL INDICATOR(S): Non-hydric				REFERENCE(S): New England Hydric Soils Technical Committee. 2004. 3rd ed.,	
				Field Indicators for Identifying Hydric Soils in New England. New England Interstate Water Pollution Control Commission, Lowell,	
				MA.	
OPTIONAL SO	OIL DATA:			REFERENCE(S):	
Taxonomic subgroup:					
Soil drainage class:					
CONCLUSIONS					
			YES NO	REMARKS:	
Hydrophytic ve	egetation met?				
Hydric soils criterion met?					
Wetland hydrology met?					
Is this data point in a wetland?					